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scientific knowledge, policies, or practices.

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3 New PETUNIAS

All-America Winners

First Lady. 12 in.
Pink. Pkt. 50 cts.

Radiance. 18 in.
Cerise. Pkt. 35 cts.

Violet Gem. 6 in.
Pkt. 50 cts.

COLLECTION

One pkt. each
of the 3 varieties

\$1.00

SEED ANNUAL • 1941

Stumpp & Walter Co

NEW YORK CITY



TWO DIANTHUS (Garden Pinks)

Nine inches high, and exquisitely scented, they bloom from May to November.

SILVERMINE. Pure white. \$1.50 for 3, \$5.50 per doz.

BEATRIX. Light salmon-pink. 90 cts. for 3, \$3.25 per doz.



HELIENIUM, BROWNGOLD

Height 4 to 6 feet. The coppery gold flowers appear from July to September. \$1.50 for 3, \$5.50 per doz.

Worthwhile

PERENNIAL PLANTS

GEUM (Avens)

WILTON RUBY. Wonderful cut-flowers, semi-double and large. Effective in your border, and an excellent rock-garden plant. \$1.50 for 3, \$5.50 per doz.



GEUM,
WILTON
RUBY



THREE GORGEOUS POPPIES

These Will Dominate
Your Garden in June
and July

WURTEMBERGIA. Shown above at upper left.

Flaming red.

CEDAR HILL. Shown at top. Glowing rose-pink.

PERRY'S WHITE. Shown at bottom. Pure

satiny white.

Six-inch
Diameter
Flowers

Above Oriental Poppies, \$1.50 for 3 plants, \$5.50 per doz.

THE STUMPP & WALTER CO.

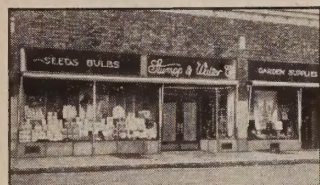
An Organization of Nine Units for Better Service



WHITE PLAINS, N. Y.
(Percy Hill, Branch Mgr.)
148-150 Mamaroneck Avenue,
at Post Road
Phones: White Plains 9260 and 9261



STAMFORD, CONN.
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674-676 Main St., at Grove Street
Phone: Stamford 4-0125



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3-5-7 Grand Ave., at Palisade Ave.
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BULB FARM. Islip, Long Island
(C. Van Ginhoven, Supt.)
Visit us in late April, when Daffodils
are in bloom. No sales organization
maintained here.

Prices in
this
catalogue
are
subject to
change
without
notice



HEADQUARTERS BUILDING and STORE
(Harry P. Sweeney, Mgr.)
132-138 Church Street, New York
Phones: BARclay 7-1110

We ask
that mail
orders and
inquiries
be sent to
our New
York Head-
quarters



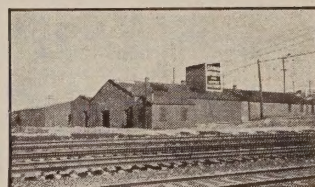
NEWARK, N. J.
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75-acre Testing Farm and Nursery,
Farmingdale, Long Island.
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Phone: Farmingdale 791



PLANT-FOOD FACTORY
Tonnel Ave., Jersey City, N. J.
(George Luxford, Mgr.)
Where our fertilizers, insecticides
and fungicides are prepared and
packed. No sales organization
maintained here.

FORTY-FOUR YEARS AGO!

Our business was founded when President William McKinley was in office, and this is our forty-third Catalogue. It describes many new flowers and vegetables, along with standard varieties of great merit; also plant-foods and implements. It is presented with acknowledgment for your patronage in past years, and in the hope that we may again be privileged to serve you.

Stumpp & Walter Products Are Dependable

Our seeds are obtained from the *most reliable sources*; they are carefully *tested for germination*, and laboratory-examined for purity. They are *proved for quality* by growing trial-plots in our testing-grounds, are prepared for use by people of long experience and are stored under ideal conditions in our modern headquarters, with controlled temperatures and humidities. Perennials are grown in our own Hardy Plant Gardens.

Fertilizers described in this Catalogue with the word "Sawco" preceding their description, are our exclusive manufacture.

Our Supplies Little Affected by the War!

Not long ago we were indebted to foreign countries for many of our seeds and other garden supplies, but every year more varieties have been produced in America, until now only a fraction of our stock originates overseas. A few familiar items, however, grown exclusively in Europe, are unavailable; and these, mostly Flower Seeds for specialty gardeners, are not listed in our Catalogue this year. We are confident that you will be able to select from our offerings similar varieties of high quality, domestic origin, that will serve your purpose equally well.

WE DELIVER all merchandise within 50 miles of New York, except Chemicals, Fertilizers, Hardware, Roots, Nursery Stock, Potatoes, and Farm Seeds, the total value of which is \$2 or less. Beyond 50 miles, we deliver Grass, Flower and Vegetable Seeds, Bulbs, and Books. Purchaser pays transportation on all other merchandise beyond 50 miles; also on heavy merchandise within 50 miles if of low value, as detailed above.

NON-WARRANTY. We, Stumpp & Walter Co., give no warranty, express or implied, as to description, quality, productiveness, or any other matter of any seeds, bulbs, or plants we send out, and will not be responsible for the crop. Terms of Business will be found on page 140.

Stumpp & Walter Co.

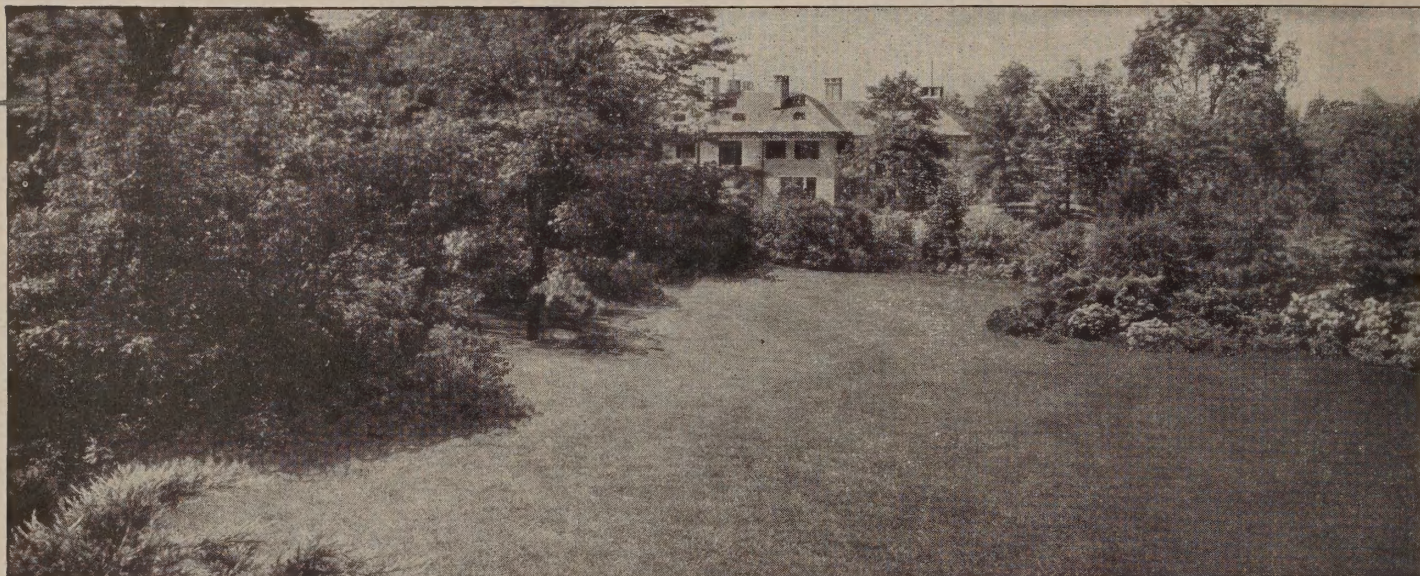
GEORGE O. STUMPP, President
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THOMAS F. KEARNEY, Sec'y & Asst. Treas.
ALEX. E. SEHLMAYER, Asst. Sec'y

NEW YORK PHONES: BARclay 7-1110 (Ten trunk lines)

Copyright, 1941, by Stumpp & Walter Co.

132-138 Church Street
(At Warren Street)
NEW YORK CITY
Near City Hall and Brooklyn Bridge

DON'T EXPERIMENT—WE'VE DONE THAT FOR YOU



A large Staigreen Lawn

Staigreen

LAWN SEED BEST ON EARTH

SINCE 1912

HIGH PURITY

HIGH GERMINATION

TIME-TESTED FORMULA

Maximum Freedom from Weeds—Contains No Crabgrass

The lawn plays an important part in acting as the foundation and background of your garden. Mr. J. W. Johnston, Horticultural Editor, in a recent article in the New York *Herald Tribune*, states, "If one single piece of advice were asked as to how to win a garden competition prize, the answer would be, 'First get a good lawn.'"

Staigreen is a modern Lawn Seed Mixture, the result of years of experimenting and practical sowing on all types of soil. With it many of the best lawns in the northern United States have been built. It is composed of the strongest, finest and most permanent grass varieties, including Bent and Cheving's Fescue. Under favorable conditions it will produce a deep-rooted turf, luxuriant, carpet-like, and emerald-green from early spring through summer to early winter.

Staigreen weighs 30 pounds to the measured bushel, which is exceptionally high for Lawn Seed, and heavy seed means pure seed of high quality, free from weeds and chaff. STAIGREEN is also free of Rye Grass or Timothy. We recommend STAIGREEN for all lawns, whether new or old, except in heavy shade or in the extreme South. STAIGREEN contains no white clover, but if desired in your lawn, we suggest you purchase white clover separately on the basis of 1 pound to each 20 pounds of STAIGREEN, and mix prior to seeding.

Staigreen was introduced by us in 1912; through the years we have never lowered the quality of the mixture. We have had to lower or increase the price from time to time, and for several years we were obliged to offer it at a higher price than we do today. It is moderate in price, but is not "cheap." After all, the cost of good seeds in the making or maintenance of a lawn is but a small fraction of the total.



A Staigreen Lawn in Summit, N. J.

Pamphlet
"How to Build a Permanent Lawn"
free in every package

Sow during spring, autumn or winter.
Avoid hot weather.

Prices of Staigreen

Lb. (Sifter-Top Container)	\$0.65
2½ lbs.	1.60
5 lbs.	3.10
12½ lbs.	7.25
25 lbs.	14.00
100 lbs.	52.50

Includes delivery to your home

One pound of Staigreen measures slightly more than one quart

Cheving's Fescue is an important ingredient in the Staigreen formula. Being deep-rooted, and a robust grower in the heat of summer, it imparts to Staigreen a definite resistance to chinch-bug injury and summer scald.

Quantity to Use

	Sowing New Lawns	Renovating Old Lawns
	Lbs.	Lbs.
200 sq. feet.	1	½ to ¾
1000 sq. feet.	5	2½ to 4
Acre.	200	75 to 125

These amounts will give satisfactory results under average conditions, but if time is not important, and if your soil is good and rich, they may be reduced.

They are sometimes doubled by experienced turfmakers, especially when a lawn is sown in the spring.



Turf in the Shade

The most beautiful of lawns is the one o'ershadowed by trees

Shady Place Lawn Seed

Consists of shade-tolerant grass varieties, properly proportioned, together with sorts which do well in full light. So the formula may be used on both sunny and shaded areas of the lawn. Use 5 pounds per 1000 square feet, or 200 pounds per acre. In very stubborn cases it may be necessary to renovate the lawn every season for several years, proceeding thus: Add lime every winter at the rate of 50 pounds per 1000 square feet; fork the land lightly in the spring, and apply Sawconure, 50 pounds per 1000 square feet and 25 pounds of Emerald Grass Fertilizer; rake smooth and sow Shady Place Lawn Seed. Repeat the programme at the end of summer. **Lb. 75 cts., 2½ lbs. \$1.80, 5 lbs. \$3.50, 10 lbs. \$6.50, 20 lbs. \$12.75, 100 lbs. \$60.**

All-Bent Formula

A mixture of Bent Grasses, the dwarfest sorts in cultivation, creeping in habit, and capable of producing a dense mat of the finest silky turf. To these is added a proportion of high-quality Red-Top. In rich soil this formula will produce a turf finer in texture than a lawn of the ordinary type, and the creeping character of these varieties produces the soft, luxurious feel of a deep, rich green rug.

Soil must be rich and should have Sawconure and Emerald Fertilizer worked into it; these also should be applied as a top-dressing every spring and autumn. Sow 3 pounds of seed per 1000 square feet or 125 pounds per acre. **Lb. \$1.10, 2½ lbs. \$2.65, 5 lbs. \$5, 12½ lbs. \$12, 25 lbs. \$22.50, 100 lbs. \$85.**

S. & W. Co.'s Creeping Bent Seed. Pure seed of the finest of turf grasses. Over six million seeds to the pound, and this combined with the creeping character of the plants makes it possible to sow at a reduced rate on well-prepared soil. Use 2½ pounds per 1000 square feet. With care it will make a putting-green of your lawn. **Lb. \$1.50, 2½ lbs. \$3.65, 5 lbs. \$7.25, 12½ lbs. \$17.25, 25 lbs. \$33.50.**

Turf for Large Areas

High-Grade Lawn Seed. For lawns where low cost is important. Composed of fine re-cleaned grasses with white Clover, carefully proportioned so that they succeed one another throughout summer. One quart will sow 15 by 20 feet; 5 bushels, an acre. **Qt. 45 cts., 4 qts. \$1.45, 8 qts. \$2.75, ½ bus. \$4.50, bus. (22 lbs.) \$8.50, 5 bus. (110 lbs.) \$40.** Charges prepaid.

Greenwood Formula. For cemeteries and parks. Produces turf of medium fineness if mown frequently. Although low in cost, Greenwood Formula contains high-quality grass seeds of strong germination, producing a permanent turf. There is no Clover in the mixture. Use one pound per 10 by 20 feet for new lawns; 200 pounds per acre. **Lb. 45 cts., 5 lbs. \$2, 10 lbs. \$3.85, 20 lbs. \$7.25, 100 lbs. \$32.50.** Charges prepaid.

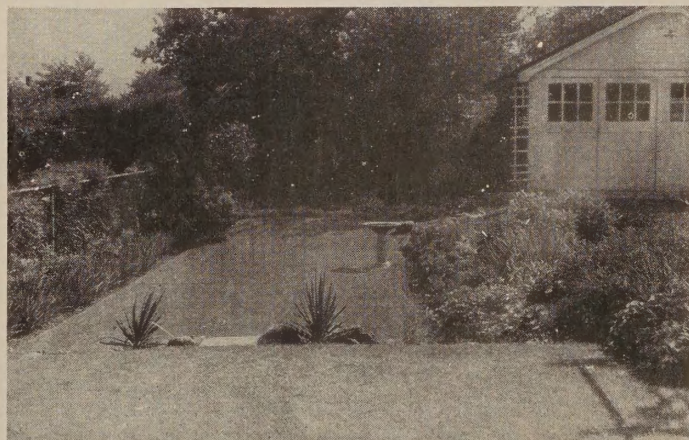
For renovating, use half the quantities recommended for the several formulas above. For quick results, use double these amounts.

"Hormonized" Seed

Our seeds are of high vitality and will develop maximum root-growth where favorable conditions are present. Experimenters are treating seeds with hormones at the present time, and if you are interested in giving the idea a trial we offer:

Rootone. The plant-hormone powder. Place seed in a container, or on a clean floor if the quantities are large. Add Rootone and stir, or turn the heap, until every seed is whitened with the powder.

		Quantity of seed it will treat
¼-oz. pkt.	\$0 25	1 - 2½ lbs.
2-oz. jar	1 00	2½ - 20 lbs.
1-lb. can	5 00	80 - 160 lbs.



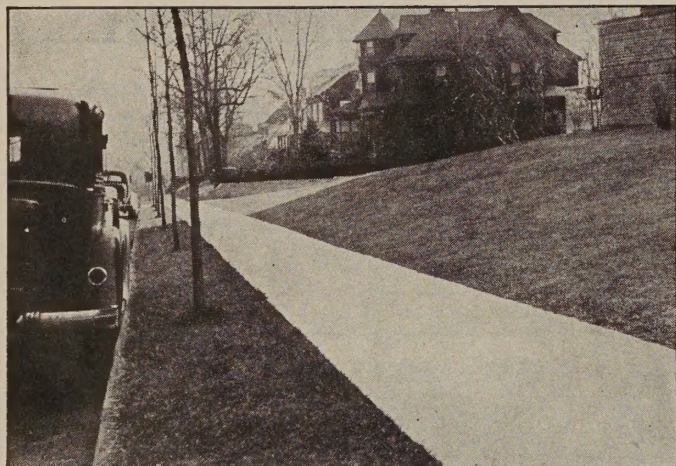
An All-Bent Lawn. Photo by C. B. Hayward, Nutley, N. J.



For Terraces, Hillside, and Embankments

Turf on Slopes

Terrace Sod Grass Seed. A mixture of grasses that will produce strong, spreading roots, will withstand drought and sun, and will thrive on shallow soils. If the slope is gentle, add 1 inch of top-soil, broadcast Emerald Grass Fertilizer at the rate of 50 pounds to 1000 square feet. Rake, and sow Terrace Sod Formula, 10 pounds to 1000 square feet. If slope is severe, proceed as above, except to sow along with the grass seeds some ordinary seed oats—1 pound of seed and 1 quart of oats to each 100 square feet. Mow the oats as soon as they are long enough for a mower to cut them, and keep them cut. When applying soil, plant-foods, or seed to sloping land, do not use them evenly, but place more at the top of the slope than lower down; this is an allowance for rain washing the materials to lower levels. Lb. 70 cts., 2½ lbs. \$1.65, 5 lbs. \$3.25, 10 lbs. \$6, 20 lbs. \$11.50, 100 lbs. \$55.



Urban Formula for City Lawns and Suburban Boulevards

Turf in the City

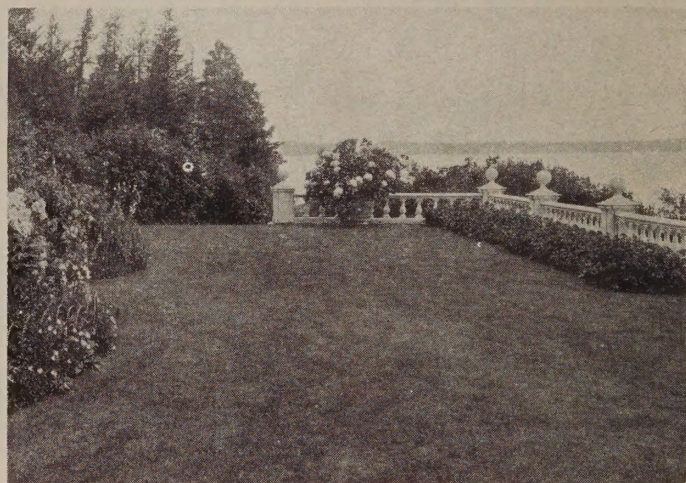
Urban Formula. Resists the harmful effects of shade, lack of air-circulation, gasoline fumes, hard wear, and other handicaps to which a lawn in the cities is subject. Contains white Clover and Rye grass, along with other desirable varieties. Makes a handsome turf, deep green, but somewhat coarse. For new lawns use 5 to 10 pounds per 1000 square feet. Enrich the soil before sowing with 100 pounds Sawconure and 50 pounds Emerald Fertilizer per 1000 square feet, and broadcast 50 pounds of Lime per 1000 square feet every winter. Lb. 50 cts., 2½ lbs. \$1.15, 5 lbs. \$2.25, 12½ lbs. \$5.50, 25 lbs. \$10.50, 100 lbs. \$40.

For renovating, use half the quantities recommended for the several formulas above. For quick results, use double these amounts.

PROBLEM LAWN SEEDS

Turf by the Sea

Seashore Lawn Grass Seed. The varieties are deep-rooting and they resist salt spray and high winds. The soil in the neighborhood of the sea is frequently poor; a good preparation is to apply Sawconure at the rate of 100 pounds to each 1000 square feet, and on sandy land Humus should also be used, allowing ½ ton per 1000 square feet. Rake after applying and then sow seed. Use two pounds on 20 by 20 feet. Lb. 65 cts., 2½ lbs. \$1.55, 5 lbs. \$3, 12½ lbs. \$7, 25 lbs. \$13.50, 100 lbs. \$50.



Seashore Formula for Areas under the Influence of Salt Spray

Turf in the South

Southern Lawn Grass Seed. From central Virginia south, the ordinary northern grasses will not thrive permanently, and good results are not likely to follow the use of the customary mixtures. We offer a special formula which we find is highly satisfactory. We advise that two seedings be made, one in spring and one in fall, allowing at each, one pound to every 20 by 20 feet. Lb. 55 cts., 2½ lbs. \$1.30, 5 lbs. \$2.50, 12½ lbs. \$5.75, 25 lbs. \$11, 100 lbs. \$40.

Bermuda Grass Seed. A superior strain for southern lawns and pastures. Lb. 55 cts., 10 lbs. \$5, 100 lbs. \$40.

Hulled Bermuda Grass Seed. Lb. 75 cts., 10 lbs. \$7, 100 lbs. \$60.

Bulbous Blue Grass (*Poa bulbosa*). A winter turf grass for the southern states. Lb. 95 cts., 10 lbs. \$9, 100 lbs. \$80.

Carpet Grass Seed. Recommended for southern lawns or pastures in moist soil. Lb. 55 cts., postpaid 65 cts.; 10 lbs. \$5, 100 lbs. \$40.

Lespedeza Clover. See page 76. Lb. 30 cts., postpaid 40 cts.; 10 lbs. \$2.25, 100 lbs. \$15.



Southern Formula for Lawns in the Southern States

A Course of Treatment

THAT WILL EVENTUALLY GIVE YOU A GOOD LAWN UNDER ALMOST ALL CIRCUMSTANCES

Use **LAWNSPREAD.*** It Improves Lawns—Grubproofs Soil

A complete top-dressing in dry powder form—mixture of Plant-foods, Grass Seeds, and Lead Arsenate



The secret of the beautiful turf on golf courses is the frequent application of soil, humus, plant-foods, insecticides, and fungicides; and pure seed is sown. When you broadcast Lawnsread you achieve in one operation what these experts do in several.

LAWNSPREAD contains screened, sterile soil-materials, approved grass-foods, and high-quality grass seeds; in the mixture, also, are ingredients to deter earthworms, Japanese beetles, and grubs; others to protect against fungous diseases. There are no weed seeds in **Lawnsread**, and it is almost odorless. **Lawnsread** may be used wherever grass fertilizers would be applied, but it is a complete treatment, and better results may be looked for.

LAWNSPREAD is a dry powder packed in units containing one-half bushel and weighing 25 pounds. In a dry, cool place, **Lawnsread** may be stored up to four weeks without impairing the germination of the grass seeds contained in it.

DIRECTIONS FOR USING LAWNSPREAD

Broadcast evenly; rub the powder off the leaves with the back of a rake.

As a tonic for any lawn, use one unit on each 20 by 20 feet at any time. An ideal treatment is to make four applications a year—in March, April, September, and October. Use every month on crab-grass, grub-infested areas, or on brown-patch-infested lawns.

To renovate thin or bare turf, roughen the surface and broadcast one unit on each 10 by 20 feet. If necessary, repeat at intervals of a month until a perfect turf has been obtained.

LAWNSPREAD

Contains mixed seeds for open and shaded areas
1 to 10 bags, \$2.00 per bag
11 to 25 bags, 1.85 per bag
Over 25 bags, 1.70 per bag

SUPER-LAWNSPREAD

Contains Coos County Bent Seeds for home putting-greens
1 to 10 bags, \$2.75 per bag
11 to 24 bags, 2.65 per bag
Over 25 bags, 2.50 per bag

Lawnsread will not burn the grass, nor will it injure birds, cats, or dogs

*Trade-Mark Registered, Patent Pending



Broadcast Lawnsread and rub in with the back of a rake.

New Jersey Lawn Seed Formulas

These are prepared according to the most recent formulas published by the New Jersey Agricultural Experiment Station. They list only those grass varieties known to be suitable for producing excellent turf, and that may be used with every confidence anywhere in the United States, north of the Mason and Dixon line. Although the Experiment Station has established minimum percentages for purity and germination in the individual seeds, our customers will not be surprised to learn that our seeds used in these formulas run consistently and markedly higher than the Station's specifications. We request that this be borne in mind when prices are being considered.

Formula No. 1 (with Clover). Standard for lawns on fair to good soils. Lb. 65 cts., 2½ lbs. \$1.55, 5 lbs. \$3, 12½ lbs. \$6.75, 25 lbs. \$13, 100 lbs. \$45.

Formula No. 1a (without Clover). Same basis as above, but without Clover. Lb. 60 cts., 2½ lbs. \$1.45, 5 lbs. \$2.75, 12½ lbs. \$6.25, 25 lbs. \$12, 100 lbs. \$42.50.

Formula No. 2. For finest quality turf, containing a liberal percentage of Colonial Bent. Lb. 75 cts., 2½ lbs. \$1.80, 5 lbs. \$3.50, 12½ lbs. \$8.25, 25 lbs. \$16, 100 lbs. \$60.

Formula No. 3. For shaded areas. Lb. 85 cts., 2½ lbs. \$2, 5 lbs. \$3.95, 12½ lbs. \$9.25, 25 lbs. \$18, 100 lbs. \$70.

Formula No. 4. For poor, clayey, shaley, or sandy soils; and for lawns on terraces or steeply sloping land. Lb. 65 cts., 2½ lbs. \$1.55, 5 lbs. \$3, 12½ lbs. \$7, 25 lbs. \$13.50, 100 lbs. \$50.

The Experiment Station publishes the Formulas, but cannot endorse the mixtures. As always, you must depend upon the reputation of the supplier.

Yarrow—A Turfing Plant

You may have noticed the fern-like leaves of Yarrow among the grass in your lawn. If you have tried to remove this so-called weed you will have found it almost impossible to do so—it roots so deeply. It is so resistant to drought that in summers dry and hot enough to kill grass, clumps of bright green Yarrow may be seen on an area that otherwise would be bare.



Yarrow

Yarrow may be added to grass seeds for dry locations, slopes, or sandy land, or where hard wear makes turf-keeping seemingly impossible. In exceptional circumstances you may sow it alone; some beautiful midsummer lawns have been made with it. Cold turns the leaves a dark purple-brown, however, so where early spring or late autumn effect is important, it should always be used along with grass—not alone. In mixture, one-half pound of Yarrow to each 10 pounds of grass seed would be the allowance; sown alone, 1 pound per 1000 square feet will make a close sward. Oz. 25 cts., ¼lb. 70 cts., lb. \$2, 10 lbs. \$18.50.



Mow your lawn twice a week, setting the machine so that it cuts the grass moderately long, especially during July and August.

Turf for Sports

GOLF

Putting-Green Formulas

Use 10 pounds to each 1000 square feet for new greens

Standard Putting-Green Formula. Recommended for light, dry soils. This is a blend consisting of imported and domestic grass seeds of fine quality. The mixture includes the Bent grasses and Red Fescue. Its use for more than thirty years has proved its reliability. **Lb. \$1, 5 lbs. \$4.50, 25 lbs. \$18.50, 100 lbs. \$70.**

Special Putting-Green Bent Formula. Recommended for well-prepared, rich soils. This is a blend of grass seeds of the finest quality—all of the highest purity and strongest germination. We include in the formula an increased proportion of the Bents. **Lb. \$1.10, 5 lbs. \$5, 25 lbs. \$21, 100 lbs. \$80.**

Fairgreen Formulas

Use 200 pounds to each acre for new fairways

Fairgreen Formula, Fine Quality. Recommended for light, dry soils. Weight of a measured bushel of this formula is over 20 pounds. Under average conditions this mixture will produce an even, tough and lasting turf. **Lb. 55 cts., 5 lbs. \$2.50, 25 lbs. \$10, 100 lbs. \$35.**

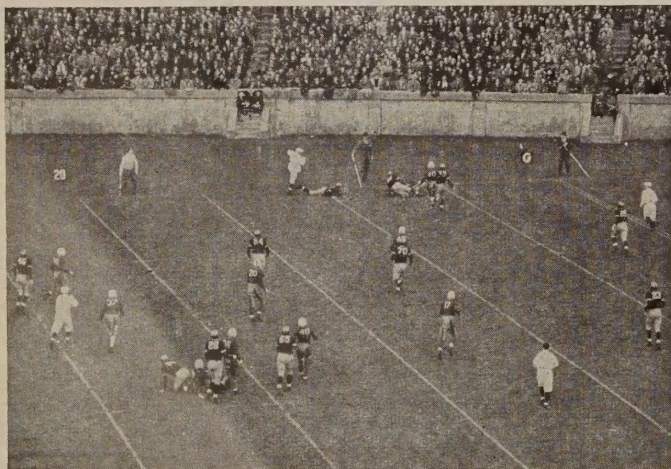
Fairgreen Formula, Superfine Quality. A prescription designed to produce wonderful turf from tee to green. For well-prepared, rich soils. Contains Bent, Cheiving's Fescue, Kentucky Blue Grass, and Superfine Red-Top. The weight of a measured bushel is over 25 pounds. **Lb. 65 cts., 5 lbs. \$3, 25 lbs. \$12.50, 100 lbs. \$45.**

Formula for Problem Fairways. Resists chinch-bug, drought, heat, and poor soil. **5 lbs. \$3.50, 25 lbs. \$15.50, 100 lbs. \$55.**

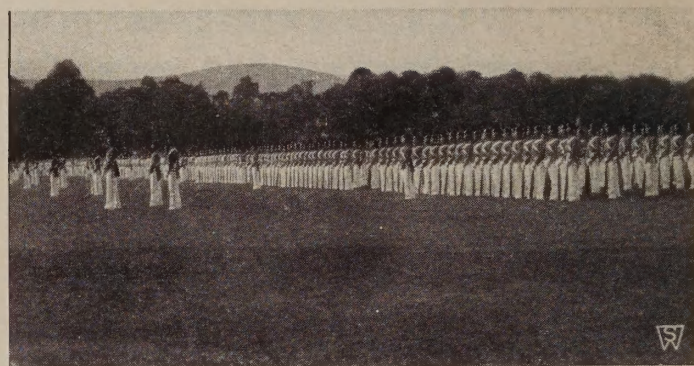
Formula for Irrigated Fairways. Gives wonderful results where it is possible to keep the soil moist under all conditions. **5 lbs. \$4, 25 lbs. \$17.50, 100 lbs. \$65.**

Divot Formula

A blend consisting of (a) permanent grasses suitable for fairways and tees, with (b) seeds of the quickest growing plants that are of a temporary nature. The temporary plants grow immediately, and in a day or two of favorable weather you cannot locate the divot; in the course of a few weeks, with cutting, the temporary plants disappear, leaving the permanent grasses, now established, in possession of the soil. **Lb. 70 cts., 5 lbs. \$3.25, 25 lbs. \$13.50, 100 lbs. \$50.**



The Bowl at Yale University, New Haven, Conn. Stumpp & Walter Co.'s Grass Seeds used; also on the Golf Course and Sports Fields.



Stumpp & Walter Co.'s Grass Seeds and Fertilizers are used on the Parade-Ground, Polo Field and Stadium at the U. S. Military Academy, West Point, N. Y.

Mixed Fescues for Bunkers

A mixture of Red, Hard, Dwarf, Fine-leaved, Various-leaved, and Tall Fescues. Excellent for mounds, bunkers, and exposed sandy situations in the "rough." Use 15 pounds per 1000 square feet for new seedings. **Lb. 80 cts., 5 lbs. \$3.75, 25 lbs. \$16.50, 100 lbs. \$60.**

Formula for Tees

Our formula includes only those varieties which will stand rough usage and recuperate quickly after excessive wear. Use 10 pounds per 1000 square feet for new seedings. **Lb. 60 cts., 5 lbs. \$3, 25 lbs. \$12, 100 lbs. \$42.50.**

"Rough" Formula

Consists of the taller-growing hardy perennial grasses in combination with yarrow and other plants suitable for the purpose and least likely to give serious trouble as weeds, should their seed be carried on to your greens or fairways. Use 100 pounds per acre for new seedings. **Lb. 55 cts., 5 lbs. \$2.50, 25 lbs. \$10, 100 lbs. \$35.**

Lawn Tennis

West Side Tennis Formula. Grasses which may be mown closely, rolled continuously, and which will stand up well under localized wear. Use 15 pounds per 2000 square feet when building new courts. **Lb. 75 cts., 5 lbs. \$3.50, 25 lbs. \$14.50, 100 lbs. \$55.**

Football

Touchdown Formula. Hard-wearing grasses properly proportioned. Sow 10 pounds per 2000 square feet when building new fields. **5 lbs. \$3.25, 25 lbs. \$13.50, 100 lbs. \$50.**

Aviation

Airport Formula, Superfine Quality. A combination of turf-binding grasses that will produce a strong, densely matted turf. It gives a sward of a deep green color. Use 100 pounds per acre for a new field. **100 lbs. \$45, 1000 lbs. \$425.**

Airport Formula, Fine Quality. Gives a tough, wear-resistant turf, of a gray-green color. Use 100 pounds per acre for a new field. **100 lbs. \$30, 1000 lbs. \$275.**

Polo and Racing

Hurlingham Formula. Mixture used on the well-known English field, adapted to American conditions. Use 200 pounds per acre for new fields. **5 lbs. \$3.25, 25 lbs. \$13.50, 100 lbs. \$50.**

Racetrack Formula. Produces a turf which is tough, thick, dark green and vigorous. Sow 150 pounds per acre for new tracks. **100 lbs. \$30, 1000 lbs. \$275.**

Lawn Bowling

Bowling Green Formula. A mixture of fine Bent grasses. For new greens, the standard dimensions of which are 120 by 120 feet, sow at the rate of 5 pounds per 1000 square feet. **Lb. \$1.40, 5 lbs. \$6.50, 25 lbs. \$30.**

HOW TO MAKE A LAWN

Dig the soil about 6 inches deep, but only when it is dry; if rain has fallen recently allow a few days of fine weather to elapse before commencing. As you dig, lift each clod high enough to enable you to turn it completely over. Strike the inverted clod with the back of the fork to break it. Remove all stones, sticks, and rubbish. Scatter *Emerald Grass Fertilizer on the dug earth; use 50 pounds to each 1000 square feet. Draw a rake back and forth until the soil is smooth and in fine condition.

Sow good lawn seed at the minimum rate of 1 pound (about $1\frac{1}{3}$ quarts) to each 200 square feet. Double the quantity for spring seeding and when turf is needed quickly. Select a day when no wind is blowing; divide the seed into two portions and sow the land twice to insure its even covering. When you have distributed the seed, rake the land once more, but very lightly. Do not work the rake back and forth—merely draw it toward you in a series of light strokes, raking only once in the same place so as to bury most of the grass seeds no more than $\frac{1}{8}$ inch deep.

Roll the seeded area, but should rain fall before the work is completed, defer the rolling until the land has dried or dispense with it altogether.

How about grub-proofing? Where Japanese beetles abound, also broadcast *Senoled at 25 pounds per 1000 square feet when the lawn is being made; use it annually thereafter. Senoled is a mixture of lead arsenate and plant-foods.

How long will the lawn be growing? Under very favorable conditions the young seedlings show through in less than ten days and the whole area looks green in a further two weeks; wait four weeks more before walking on the grass except to mow it.

When is the best time? Early spring and late summer are most favorable, while seed will do well on level ground if sown in winter. Watch for and remove crab grass from late spring sowings. Do not sow during hot weather.

Will the above directions hold on poor or sandy land? Before commencing work on poor soil, spread *Sawconure at the rate of 100 pounds to each 1000 square feet. Do not attempt to grow a lawn on excavated soil, subsoil, or "fill" without first applying Sawconure, digging, then adding at least 1 inch of top-soil. When preparing soil of this character, 1000 pounds of *Humus per 1000 square feet may also be used to advantage. In every case apply Emerald Grass Fertilizer as suggested above.

How about moist, sour soil? Spread *Pulverized Limestone on the dug-over land at the rate of 100 pounds to each 1000 square feet and rake in; wait a week and then follow direction. In bad cases it will be necessary first to drain the land by digging ditches and laying tile.

Should I sprinkle the new lawn? Yes, if seeding is followed by hot, dry weather. Otherwise it is best not to water for the first three weeks for fear of disturbing the seed. Later when the grass has started the young lawn should never be allowed to become dry.

What after-care is needed? As soon as the young grass is 2 inches high, begin cutting it and keep it regularly mown; roll it occasionally, and water it during dry weather.

How about White Clover? We include Clover only in our "High Grade" Lawn Seed, Urban, and New Jersey Formulas 1 and 4. We omit it from all other mixtures, because Clover is often not liked nowadays in the finest lawns. For the convenience of our customers who wish it, we offer Superfine White Clover separately (see page 8). Mixed with grass seeds, the usual allowance of Clover is 5 per cent.

REJUVENATING A LAWN

LARGE-SCALE RENOVATING

First, mow closely and remove weeds. Then:

1. Scratch the surface with a rake.
2. Broadcast *Sawconure, 50 pounds per 1000 square feet, and *Emerald Lawn Fertilizer, 25 pounds per 1000 square feet. At this time, spreading sufficient top-soil to make an even surface without hiding the grass, will be beneficial.
3. Rub with the back of the rake.
4. Sow good lawn seed, $2\frac{1}{2}$ pounds per 1000 square feet.
5. Again rub with the back of the rake. Grass must be dry; early spring and late summer are the most favorable seasons.

REPAIRING A LAWN

RENOVATING SMALL AREAS

Should your lawn fail in spots, if some areas are thin or bare, or when you cannot get grass to grow under trees:

1. Roughen the surface with a rake.
2. Apply *Lawnspray.

Perhaps deliverymen cut corners and wear a path in the turf; here again, *Lawnspray will help. This mixture of soil materials, plant-foods, insecticides, fungicides, and grass seed is described on page 5. Allow one unit to each 200 square feet and apply every month, from March to November, until the turf is perfect.

ROUTINE CARE OF YOUR LAWN

Mow twice a week, setting your machine so that it cuts the grass moderately long, especially during July and August. Do not remove clippings; if they are unsightly it shows that you do not cut often enough.

Water an established lawn only when it is needed, but give plenty during dry spells in July and August. Use an approved sprinkler and soak every three days. On established lawns watering is usually unnecessary in spring and fall.

Weeding. All soils contain seeds of weeds and many of them start to grow along with the grass; these, ordinarily, are not removed from a new lawn

at first, because mowing will kill most. Six weeks after the first cutting, however, take out whatever weeds may then be seen. It is important to dig deep down for dandelions and plantains, while for crab grass it is sufficient to cut the plant off at the ground-level. Fill all weed-holes with *Lawnspray.

Feeding. Spread *Emerald Grass Fertilizer every spring at the rate of 25 pounds per 1000 square feet, and *Sawconure, at 50 pounds per 1000 square feet, late every autumn. *Limestone every second winter, at the rate of 50 pounds per 1000 square feet, will be helpful in most sections.

The story of a good lawn



Individual Grass Varieties Of Known Quality—Maximum Purity and Highest Germination

Agrostis Varieties or Bents

One pound contains about 4,000,000 live seeds

TRIPLE A BENT. The best type of *Agrostis capillaris*; produces a stoloniferous, deep-rooted sod. Under constant mowing, it develops a turf akin to fine, silk-like, bright green Velvet Bent. Triple A turf becomes green early in spring and retains its color late in autumn. Lb. \$1.30, 10 lbs. \$12, 100 lbs. \$110.

SEASIDE BENT or CREEPING BENT (*Agrostis palustris*). Coos County Strain. The plant is dwarf and it multiplies rapidly by sending out runners in all directions; from these new plants are produced, and these, in turn, grow more runners. The turf becomes matted, and if damaged, it heals over promptly. Lb. \$1.20, 10 lbs. \$11, 100 lbs. \$100.

RHODE ISLAND BENT or COLONIAL BENT (*Agrostis tenuis*). Native seed. Produces a turf of good color, fine texture, and resistant to drought. Lb. \$1.20, 10 lbs. \$11, 100 lbs. \$100.

COLONIAL BENT (*Agrostis tenuis*). Identical with native Rhode Island Bent. Makes excellent turf, and is permanent under close cutting. Our seed contains less than one-tenth of 1 per cent of weeds. Lb. \$1.55, 10 lbs. \$14.50, 100 lbs. \$135.

ASTORIA BENT (*Agrostis tenuis* var.). Produces a fine matted turf. Develops strong underground runners, making it a valuable soil-binder. Lb. \$1.15, 10 lbs. \$10.50, 100 lbs. \$95.

SOUTH GERMAN BENT or FIORIN. For many decades, good lawns and putting-greens have been sown with this seed, producing turf of fine texture. Lb. 10 lbs. 100 lbs.

Fine Recleaned Seed. High germination. \$1 75 \$16 50 \$150 00
Superfine Sample. For specialists' use . . . 1 90 18 00 165 00

VELVET BENT (*Agrostis canina*). Dwarfest of the turf grasses, producing a sward of exquisite, silk-like texture. Only limited quantities of pure seed are procurable. Lb. \$4.50, 10 lbs. \$42.50.

REDTOP (*Agrostis alba*). A good pasture and hay grass and valuable as a nurse grass in lawns. Lb. 10 lbs. 100 lbs.

Fine Recleaned Seed. High germination. \$0 40 \$3 50 \$27 50
Superfine Sample. For specialists' use . . . 45 4 00 32 50
Unhulled (Commercial grade) . . . 35 3 00 20 00

Poa Varieties

One pound contains about 2,000,000 live seeds

BIRDGRASS or SHADE BLUEGRASS (*Poa trivialis*). One of the few grasses that will grow in shaded situations. Resistant to drought. Lb. \$1, 10 lbs. \$9, 100 lbs. \$80.

KENTUCKY BLUEGRASS (*Poa pratensis*). Used for all lawn purposes in the northern states. Lb. 10 lbs. 100 lbs.

Fine Recleaned Seed. High germination. \$0 55 \$5 00 \$40 00
Superfine Sample. For specialists' use . . . 65 5 75 47 50

CANADA BLUEGRASS (*Poa compressa*). Similar to Kentucky Bluegrass but of a less pleasing color. Lb. 60 cts., 10 lbs. \$5.50, 100 lbs. \$45.

ANNUAL BLUEGRASS (*Poa annua*). Dwarf plant that spreads rapidly by depositing its own seed, however closely it is mown. Produces its best turf early and late. Lb. 95 cts., 10 lbs. \$8.50.



Experimental Turf Plots at the Stumpp & Walter Co.'s testing grounds at Farmingdale, Long Island. Here research work has been carried on for many years.

Fescue Varieties

One pound contains from 500,000 to 1,000,000 live seeds

CHEWING'S FESCUE (*Festuca rubra commutata*). Produces a mat-like turf of a pleasing green color. The leaves are fine, needle-like, and bristly. Resistant to heat, drought, and hard wear. Imported seed. Lb. 75 cts., 10 lbs. \$7, 100 lbs. \$60.

CHEWING'S FESCUE, STRAIN 53-27. Quicker germinating than the type; more resistant to chinch-bug and deeper rooting. Lb. 90 cts., 10 lbs. \$8.50, 100 lbs. \$75.

CHEWING'S FESCUE, U. S. grown seed. High purity and germination. Lb. 80 cts., 10 lbs. \$7.50, 100 lbs. \$65.

FINE-LEAVED FESCUE or HAIR FESCUE (*Festuca tenuifolia*; *F. capillata*). For sowing between flagstones in the garden path. Lb. \$1.50, 10 lbs. \$14, 100 lbs. \$130.

RED FESCUE (*Festuca rubra*). European. Similar to Cheving's Fescue but usually coarser and lighter in color. Lb. 85 cts., 10 lbs. \$8, 100 lbs. \$70.

CREEPING RED FESCUE (*Festuca rubra genuina*). True strain. For fine turf. Lb. \$1.15, 10 lbs. \$10.50, 100 lbs. \$95.

CREEPING RED FESCUE, OLD'S STRAIN. See page 76. Lb. \$1.15, 10 lbs. \$10.50, 100 lbs. \$95.

SHEEP'S or HARD FESCUE (*Festuca ovina*). A wiry, stiff, gray-green grass. Lb. 85 cts., 10 lbs. \$7.50, 100 lbs. \$65.

MEADOW FESCUE (*Festuca elatior*). A flat, broad-leaved grass. Tall and grows quickly. Lb. 40 cts., 10 lbs. \$3.50, 100 lbs. \$25.

Rye Grasses

One pound contains about 300,000 live seeds

PERENNIAL RYEGRASS (*Lolium perenne*). A quick-growing, tall grass, sometimes included in lawn mixtures for speed. Valuable hay and pasture variety. Lb. 35 cts., 10 lbs. \$3.25, 100 lbs. \$25.

PACEY'S PERENNIAL RYEGRASS (*Lolium perenne Pacey*). A smaller-seeded, slightly dwarfier type of English Ryegrass. Lb. 40 cts., 10 lbs. \$3.50, 100 lbs. \$27.50.

KENTISH RYEGRASS (*Lolium perenne*). See page 76. Lb. 55 cts., 10 lbs. \$5, 100 lbs. \$40.

SVALOF RYEGRASS (*Lolium perenne*). See page 76. Lb. 55 cts., 10 lbs. \$5, 100 lbs. \$40.

ITALIAN RYEGRASS (*Lolium multiflorum*). A coarse, tall grass; mammoth producer of hay. Lb. 35 cts., 10 lbs. \$3, 100 lbs. \$22.50.

DOMESTIC RYEGRASS. Much used as a temporary winter turf in the South. Lb. 30 cts., 10 lbs. \$2.50, 100 lbs. \$13.50.

Sundry Varieties

SMOOTH BROMEGRASS (*Bromus inermis*). Height 30 inches, with creeping roots. Useful for binding embankments. A pasture grass for dry soils. Lb. 50 cts., 10 lbs. \$4.50, 100 lbs. \$35.

CRESTED DOGTAIL (*Cynosurus cristatus*). Lb. 65 cts., 10 lbs. \$6, 100 lbs. \$50.

CRESTED WHEATGRASS (*Agropyron cristatum*). A hardy, drought-resistant variety, native to the dry plains of Siberia. A coarse type, growing profusely in cold weather. Lb. 65 cts., 10 lbs. \$6, 100 lbs. \$50.

DALLAS GRASS (*Paspalum dilatatum*). A perennial hay or pasture grass for south and tropics. Lb. 85 cts., 10 lbs. \$7.50, 100 lbs. \$65.

ORCHARD GRASS (*Dactylis glomerata*). A coarse, bluish green plant, widely used for hay and pasture. Lb. 55 cts., 10 lbs. \$5, 100 lbs. \$40.

AKAROA STRAIN ORCHARD GRASS. See page 76. Lb. \$1, 10 lbs. \$9, 100 lbs. \$80.

REED CANARY GRASS (*Pbalaris arundinacea*). For land which is continuously wet. Sow 10 pounds per acre. Lb. 55 cts., 10 lbs. \$5.

RHODES GRASS (*Chloris gayana*). A perennial forage grass for the south and tropics. Lb. 85 cts., 10 lbs. \$7.50, 100 lbs. \$65.

TALL OATGRASS (*Arrhenatherum elatius*). Lb. 50 cts., 10 lbs. \$4.50, 100 lbs. \$35.

TIMOTHY (*Pbleum pratense*). A quick-growing, tall grass, for hay and pasture. Lb. 25 cts., 10 lbs. \$2, 100 lbs. \$12.50.

TIMOTHY, Aberystwyth, S 50 Type. See page 76. Lb. \$1.75, 10 lbs. \$16.50, 100 lbs. \$150.

TIMOTHY, Corstophine Pasture, CB 191. See page 76. Lb. \$1.75, 10 lbs. \$16.50, 100 lbs. \$150.

WHITE CLOVER (*Trifolium repens*). Used for lawns and pasture. Oz. 20 cts., 1/4 lb. 45 cts., lb. \$1.25, 10 lbs. \$11.50, 100 lbs. \$100.

WILD WHITE CLOVER. Collected in old pasture areas in Kent, England. The plant is smaller and dwarfier, with fewer blossoms. (Imported seed.) Oz. 35 cts., 1/4 lb. \$1, lb. \$3, 10 lbs. \$27.50.

YARROW (*Achillea millefolium*). Drought-resisting plant with delicate, fern-like leaves. When added to seed mixtures for exceptionally dry situations it often makes excellent lawns. Lb. \$2, 10 lbs. \$18.50.

Flowers of Tomorrow



ASTER
Rose Marie

AGERATUM
Midget Blue

AQUILEGIA
Sawco Colossal

ANTIRRHINUM
Rosalie

New Antirrhinums · Snapdragons

For Growing Outdoors. (Rust-Resistant)

Maximum or Super Giant Type

COPPER QUEEN. A new super-giant variety which grows over 3 feet high. The color of the flower is a novel bronze, blending to old-gold at the nose; it is so brilliant that it will remind you of a new penny, fresh from the mint. Pkt. 35 cts., 3 pkts. \$1, 1/8 oz. \$2.50.

Majus or Tall Type

ROSALIE. A newcomer of the Majus or tall type. The large florets are topaz-rose with darker center and a golden flush over all. They are evenly and tightly placed on the large main flower-spike and the 10 to 30 which branch from the base. Height 2 1/2 ft. Pkt. 25 cts., 1/8 oz. 75 cts., 1/4 oz. \$1.25.

New Nanum Grandiflorum Antirrhinums

Height 1 1/2 feet

AMBER AND GOLD. The color effect is one of terra-cotta, for the pink of the buds persists in the throat of each open floret, while the tips are golden yellow and the hoods are amber. A mass planting will make an excellent show, while for cutting you will find it ideal.

DU BARRY. A new color—flaming rose-salmon, shaded with gold; a self hue, except for a yellow spot on the lower lip. For bedding and cut-bloom.

Above 2 varieties, pkt. 35 cts., 3 pkts. \$1, 1/8 oz. \$2

APPLE BLOSSOM. The first pink to be offered in this class that is resistant to rust. It is good in every way.

GYPSY GIRL. Rich carmine, with a splash of golden yellow on the nose; the tube is white. Branching close to the soil, the plant yields from 12 to 15 fine spikes.

RUBY. Uniform plants that carry heavy, solid spikes of the brightest carmine-crimson florets. It will prove to be a precious garden jewel in your 1941 planting.

Above 3 varieties, pkt. 25 cts., 3 pkts. \$1, 1/8 oz. \$1.50

New Greenhouse Antirrhinum, Naomi. About 30 inches high, an early but continuous bloomer. The color is a clear rose-pink with a light touch of yellow; the 2-inch florets are evenly spaced on strong stems—neither too close nor too far apart. Excellent for floral decoration and effective under artificial light. Pkt. \$3.

New Aquilegias · Columbines

{Perennials}

LONGISSIMA HYBRIDS. These hybrids have spurs almost as long as those of the Longissima type, which has yellow flowers, but these new hybrids are red, blue, white and rose and the petals are broad, making an impressively large flower and a generally fine effect. Pkt. 50 cts., 3 pkts. \$1.25.

SAWCO COLOSSAL. A strain of Columbine containing many new hues; in all there are seventy distinct colors and combinations of colors in the mixture. The enormous flowers measure about 5 1/2 inches across and are exceptionally long-spurred, for they are over 4 inches long. Pkt. 50 cts., 3 pkts. \$1.25, 1/8 oz. \$2.

Ageratum, Midget Blue. Here is the tiniest little Ageratum you have ever grown and just the thing for edging a flower-bed. The delightful little plants are smothered with azure-blue flowers. Ideal also for planting in the children's garden, around the playhouse. Height, 4 inches. Annual of the simplest culture. Pkt. 50 cts., 3 pkts. \$1.25, 1/8 oz. \$2.50.

Alyssum, Violet Queen. Here is a new color in this popular edging and bedding annual. Dwarf, compact and free flowering, the clusters of small blossoms are fragrant, and a rich, deep violet hue. Plant it in combination with white Sweet Alyssum. Pkt. 25 cts., 1/4 oz. \$1, oz. \$3.50.

Early Giant Asters *Wilt-Resistant*

ROSE MARIE. A fine rose-colored Aster, bright and rich in tone. Recommended for the home-garden where a bed will look well and will furnish the home with cut-bloom. Flowers are 4 to 5 inches across, have long florets with solid feathery centers, and are on long stems. Height, 1 1/2 to 2 feet.

LIGHT BLUE. Blooms 5 inches across, beautiful, curled, and interlaced. The enormous light blue flowers are carried by long stems on branching plants 3 feet high. Splendid for cut-flower work.

PEACH BLOSSOM. A cut-flower type; the plant is non-branching, producing about 8 specimen flowers, but these are very large, with broad florets, intertwining and graceful. The buds are almost white, but flushes of light pink appear as they open, and finally they have a suggestion of light lavender when fully mature.

Above 3 varieties, pkt. 25 cts., 1/4 oz. \$1, oz. \$3.50

COLLECTION C-1: One pkt. each 3 varieties, 60 cts.



CELOSIA
plumosa superba

CAMPANULA
Wedgwood

CENTAUREA
Lavender Beauty

CORNFLOWER
Lilac Lady

CELOSIA
Royal Velvet

CYNOGLOSSUM
Firmament

Novel Calendulas · Pot Marigolds

PALE MOON. The lightest colored Calendula to date, and, therefore, of supreme importance to the commercial florist. Light cream or primrose in color, the fully double 2-inch flowers are perfect in shape, while the compact habit of the plant saves much greenhouse room. Ideal, also, for growing outdoors and a bed of Pale Moon will be striking in any garden. It is invaluable for cut bloom. Height, 8 inches. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

YELLOW COLOSSAL. The largest Calendula in cultivation, with flowers $4\frac{1}{2}$ inches across, double and clear, very light, bright yellow. Blooms are borne in large numbers on compact, 18-inch high plants. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Calendulas are annuals of the simplest culture

Bidens Riedelli. The single daisy-like flowers are 3 inches across and copper-red in color; they are on long, wiry stems, and are excellent for cutting. The plant grows 3 feet high and is effective as a border subject. Annual. Pkt. 25 cts., 5 pkts. \$1.

Calandrinia, Amaranth. For the driest, hottest place in your garden, or in the rockery, this "Rock-Purslane," a compact little 3-inch plant, will give you a brilliant display from July to September. It will be a mass of crimson-purple blooms. Sow seeds in late winter indoors and plant out, or in the open ground in May, and thin to 6 inches apart. Annual. Pkt. 50 cts., 3 pkts. \$1.25.

Campanula, Wedgwood. (Hardy Bellflower). A fine development of *C. persicifolia*, with larger flowers of a richer, deep violet-blue that is ideal for the middle distance of your hardy border. Sow seeds this spring to bloom in June of next year, for it is a choice perennial that will do well in full sun or partial shade. Height, $3\frac{1}{2}$ to 4 feet. If sprays of buds are cut and put in water, they will open to charming flowers for room decoration. Pkt. 50 cts., 3 pkts. \$1.25.

Three Outstanding Celosias

PLUMOSA SUPERBA. Great fluffy plumes in the most brilliant and varied colors. We offer a highly bred strain which is the result of 30 years' careful selection. Height, 3 feet. Celosias are annuals that are easy to grow.

ROYAL VELVET COCKSCOMB. This new crimson sort is remarkably free flowering. The old-time Cockscomb produced a center head; in Royal Velvet this center flower is larger and it is surrounded by many smaller clusters in basal branches. 2 feet.

MIRACLE COCKSCOMB. Enormous size of the plushlike combs and odd colorings! We see brilliant shades of red, from dark crimson to scarlet, then salmon, bronze, gold through purple to pink and white. $2\frac{1}{2}$ feet.

Above ■ Celosias, each, pkt. ■ cts., $\frac{1}{8}$ oz. \$1, $\frac{1}{4}$ oz. \$1.50

Choice Outdoor Carnations

HARDY COTTAGE. Years of patient crossing and recrossing of the older herbaceous garden Carnations with modern types has produced a race of plants extremely hardy and so vigorous that no staking is necessary. The large, double, fragrant flowers, in all colors, bloom all summer. A creation of Allwood Bros. of Hayward's Heath, England, famed specialists. Originators' pkt. 50 cts.

HARDY, FINEST MIXED. U. S. grown. An improved type, remarkable for the many flowers open at one time. They are $1\frac{1}{2}$ inches across, cover the plant, are very double, and are of all colors. Pkt. 25 cts., $\frac{1}{8}$ oz. \$1, $\frac{1}{4}$ oz. \$1.50.

These are perennials; sown early they will bloom the first year

Centaurea, Lavender Beauty. A new Imperialis variety with enormous flowers of an unusual color. The fluffy blooms are light lavender and 3 to $3\frac{1}{2}$ inches across. Growing $1\frac{1}{2}$ to 2 feet high, the plant is an excellent border and cut-flower annual of the simplest culture. Thin or transplant to 1 foot between plants. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Chrysanthemum, September Jewels. The earliest and hardiest garden Chrysanthemum, and a kind that may readily be grown from seed. If sown in early spring, flowers will be produced in September of the same year. The plants grow from 1 to 2 feet high, and until heavy frost they will be smothered with daisy-like flowers, 2 to 3 inches across. The color-range is exceptionally fine—yellows, pinks, lilacs, bronzes, reds, and dozens of others. Charming in the garden, and ideal for cutting, September Jewels are rather similar to, but much larger and finer than, the Korean Chrysanthemum. Raiser's original packet, 60 cts.

Cleome, Golden. A new yellow-blooming type of the well-known Spider Flower. Growing 3 to 4 feet high, this annual is now presented in an entirely new color. Pkt. 25 cts., 5 pkts. \$1, $\frac{1}{8}$ oz. \$1.50.

Coral Flower. Easily grown annual, with fleshy leaves and clusters of star-shaped, bright pink flowers. The seed-capsules which follow look like hundreds of polished coral beads. Height 30 inches. Do not sow outdoors until warm weather has definitely arrived. Pkt. 35 cts., 3 pkts. \$1.

Cornflower, Lilac Lady. A foot-high annual of the easiest culture, grown from seed sown directly in the garden in spring, or earlier indoors and transplanted, this ideal edging plant bears flowers of a bright lilac-mauve hue. Valuable for borders and for bedding, where it gives us a new color note. Excellent pot-plant. Pkt. 25 cts., $\frac{1}{4}$ oz. 75 cts., oz. \$2.50.

Cynoglossum, Firmament. New type of Chinese Forget-me-not. Free-flowering; as easy to grow as any other annual. Covered all summer with bright indigo-blue blooms, Myosotis-like and perfumed. Excellent for flower-beds. Height, 18 inches. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.



LARKSPUR
Rosalind

DIANTHUS
Rainbow Loveliness

GAILLARDIA
Mr. Sherbrook
(Page 32)

ECHIU
(Page 31)

DIMORPHOTHECA
spectabilis

ESCHSCHOLTZIA
Sweetheart

LARKSPUR
Montrose

DAHLIAS FROM SEED

GIANT EXHIBITION TYPE. This mixture is made up from named Dahlias of the better varieties and is well worth growing, as it is possible to secure many new and rare varieties in this manner. 50 seeds \$2, 100 seeds \$3.50, 1000 seeds \$30.

MINIATURE TYPES. This mixture is comprised of many new and meritorious varieties. Plants are dwarf and the flowers are ideal for cut-flower purposes. Grow $1\frac{1}{2}$ to 3 feet high. Pkt. 50 cts., 3 pkts. \$1.25, $\frac{1}{8}$ oz. \$2, $\frac{1}{4}$ oz. \$3.50.

YELLOW PRINCE. Excellent bedding subject. A majority of the plants from this seed will be uniformly 2 feet high, the flowers fully double and a fine, bright yellow in color; but not quite all, however, for this is one of the first offerings of seed of Dahlias of this type in segregated colors, and it is not quite fixed. The few plants that may not match up, will be useful for planting elsewhere in your garden. Treat as an annual. Pkt. 50 cts., 3 pkts. \$1.25.

Dianthus, Rainbow Loveliness. This has the deeply cut and delicately laced flower of *Loveliness*, a novelty of a few years ago, and described as the sweetest flower in the garden. Whereas *Loveliness* is mauve, however, this new Rainbow mixture has flowers in various other delicate tones: these include pink, red, lilac, cream, and white. A beautiful and sweetly perfumed perennial which will bloom in seven months from seed, the creation of Allwood Bros., of Hayward's Heath, England. Originators' sealed packets 50 cts.

Dimorphotheca spectabilis. This new type of African Daisy or Cape Marigold has single daisy flowers 2 inches across and deep pink in color, while the center eye is shining black. They strike a new note in room decoration and the plant is an excellent flower-bed subject. Height, 14 inches. Sow in February or March, under glass, and plant out 9 inches apart, or later sow in a sunny position in the open. Pkt. 25 cts., $\frac{1}{8}$ oz. 60 cts., $\frac{1}{4}$ oz. \$1.

Eschscholtzia, Sweetheart. A double California Poppy. The fluted, camellia-like flowers are a lively, fiery rose on primrose, the outside being a trifle darker than the center, and they are 2 inches across. Covered with its double flowers, this 8-inch-high, easily grown annual will be very popular this season as a border or bedding subject. Sow seeds where they are to grow and the plants thinned to 15 inches apart. Height, 8 inches. Pkt. 15 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$2.

Hollyhock, Haile Selassie. The large semi-double flowers are so deep a maroon that they seem to be black, and their color is sharply accented by the yellow stamens, producing a fascinating combination of black and gold. The plant grows as tall as any of the Hollyhocks, attaining a height of $5\frac{1}{2}$ feet or higher. Hardy perennial. Sow this year, to bloom next. Pkt. 25 cts., 5 pkts. \$1. Plants, to bloom this summer, 50 cts. each, \$5.50 per doz.

Impatiens, Pink Butterfly. A tall annual, useful for the back of the border, for planting amid shrubs or as individual specimens. Attaining 6 to 7 feet in rich soil, it has pleasing salmon-pink spurred flowers, 2 inches across. Pkt. 25 cts., 5 pkts. \$1.

Dwarf Ipomoea, Royal Ensign. This is a low-growing Morning-Glory, ideal for carpeting in front of the annual border, or for defining a flower-bed or garden path. It hugs the ground, and all

summer is covered with intense Delft-blue trumpet-shaped flowers with a lighter center. Pkt. 35 cts., 3 pkts. \$1.

The two famous *climbing* Morning-Glories which follow are illustrated on page 51.

SCARLETT O'HARA. Carnelian-red.

HEAVENLY BLUE. Sky-blue.

Each, pkt. 20 cts., $\frac{1}{2}$ oz. 60 cts., oz. \$1, $\frac{1}{4}$ lb. \$3.50

Irish Bellflower. Interesting and effective annual with green and white bell-shape blooms. Graceful base-branching stems grow 2 feet high; whorls of flowers are so numerous as partly to hide the foliage. The calyx is green, and veined, and within it is the white corolla. Pkt. 25 cts., 5 pkts. \$1, $\frac{1}{8}$ oz. \$1.50.

New Larkspurs (Annuals)

These new Giant Imperial varieties may grow 5 feet tall, with the center spike surrounded by six or eight strong branches. The spikes are strong and the flowers hold well, so the plant will be interesting to the grower and shipper of cut-bloom.

PINK KING. Grows $5\frac{1}{2}$ feet high, with flowers of a soft, yet lively, salmon-rose. The blooms are double, 2 inches across, and are well placed on 2-foot stems. Pkt. 25 cts., $\frac{1}{8}$ oz. 75 cts., $\frac{1}{4}$ oz. \$1.25.

ROSALIND. Pink with a salmon suffusion; groups of three or more of these plants in the middle distance of your annual border will be very striking.

MONTROSE. Clear rose-pink, exceptionally large florets.

Above 2 varieties, pkt. 15 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$1

Sawco Stupendous Pansies

Remarkable Strain of Gigantic Proportions for the Greenhouse

Offered Exclusively by the STUMPP & WALTER CO.

We have acquired the entire stock of seed of these wonderful Pansies, developed through many years by a prominent New Jersey grower. The plants are veritable bushes, growing 4 feet high. Carried on thick, stiff stems, 18 inches long, are enormous flowers 4 to $4\frac{1}{2}$ inches in diameter, and in a complete color-range; included are both multicolor blooms and selfs, and among the latter are pure yellow. Invaluable to the professional gardener and the producing florist.

Although primarily for cultivation under glass, they may also be grown in the open ground in the same manner as ordinary Pansies, but you should give them the protection of coldframes or salt hay over winter.

Seed will be ready in July, and as the supply is limited, we suggest that you place your order now: these will be filled in the rotation in which we receive them until the supply is exhausted.

Pkt. (50 seeds) \$2.50; 4 packets \$9.50 (July delivery)



MARIGOLD
Red and Gold
(Page 38)

PRIMULA
Double Charm
(Page 44)

LINUM
Heavenly Blue

MYOSOTIS
Blue Spire

MARIGOLD
Limelight

MARIGOLD
Yellow Pygmy

MARIGOLD
Orbit
(Page 38)

New French Marigolds

ALL-AMERICA SILVER MEDAL

SPRY. The little bushes are only 9 inches high. Placed around a bed of petunias, antirrhinums, or geraniums they make an ideal edging. All summer, and right into autumn frost, they are covered with double flowers, each having a crested center of light, yellow, surrounded by flat outer florets of maroon. More and brighter flowers is the improvement in this kind. Pkt. 35 cts., 3 pkts. \$1.

ALL-AMERICA HON. MENTION

SCARLET GLOW. This is a foot-high sort with flowers that are unusually large for this class—2 inches across is not uncommon. The color is a bright, glowing fiery red, as you will see by the illustration on page 18. Pkt. 25 cts., 1/8 oz. \$1, 1/4 oz. \$1.50.

FERDINAND. This has showy single flowers consisting of a center cushion of tubular florets, which are golden yellow, surrounded by a row of flat guard-florets, which are mahogany-red. The blooms are 1 1/2 to 1 3/4 inches in diameter, on foot-long stems, and the plants grow 20 to 24 inches high. Ideal for garden decoration and for cut-bloom. Pkt. 15 cts., 1/4 oz. 50 cts., oz. \$1.50.

HARMONY HYBRIDS. The scabious-like flowers average 1 3/4 inches in diameter, are fully double and of various colors. The blend includes orange and yellow selfs, and several combinations of maroon blotchings and stripings. The plants are compact and excellent for bedding; they grow 12 to 14 inches high. Pkt. 10 cts., 1/4 oz. 35 cts., oz. \$1.25.

SUNBEAM. The plants are 15 inches high and are smothered with blooms from early summer to frost; these are ball-shaped, 1 1/2 inches in diameter and golden orange in color. The florets in the center are quilled, and surrounding them are flattened ray-florets, each with a brown fleck at its base. Pkt. 35 cts., 1/8 oz. \$1.25, 1/4 oz. \$2.

Linum, Heavenly Blue. A development of *L. perenne*, the Flax Plant, which is a perennial, but if you sow seed in April or May, you may expect some bloom the first season and a magnificent display the second and subsequent years, from June to August. The chief improvement is in color, which is a glowing ultramarine-blue. Its height, 15 inches, suggests that you plant it toward the front of the hardy border. Pkt. 50 cts., 3 pkts. \$1.25.

Lion's-Ear (*Leonotis Leonurus*). Greenhouse plant, or perennial, needing winter protection. Growing 6 feet high, this hairy plant has orange-red, tubular flowers in whorls. Sow indoors in January, plant out for late summer bloom; pot in the autumn for winter flowering under glass. Stands heavy pinching to produce compact plants. Pkt. 25 cts., 5 pkts. \$1.

Phaseolus Caracalla (Corkscrew or Snail Flower). Perennial climber, growing 20 feet under glass, but only half this height outdoors, when treated as an annual. Curiously curled, fragrant flowers are light purple or yellowish. Pkt. 35 cts., 3 pkts. \$1.

New African Marigolds

ALL-AMERICA BRONZE MEDAL

GOLDSMITH. (Mission Giants.) Plants of exceptional vigor grow 2 feet high, but they may all attain 3 or even 4 feet in strong land. They develop branches close to the ground, and thus produce veritable bushes; these are covered with large, long-stemmed flowers, which are round, fully double and saffron-gold, 4 to 5 inches across, with quilled and incurved florets, reminding one of a chrysanthemum. Starts to bloom early. Pkt. 35 cts., 1/8 oz. \$1.25, 1/4 oz. \$2.

LIMELIGHT. Of the Chrysanthemum-flowered type, but the effect is novel in that the color is primrose or deep cream. Strong to grow, quick to flower, the leaves are deep green and the plant grows 20 inches high. Pkt. 15 cts., 1/4 oz. 50 cts., oz. \$1.50.

POT O'GOLD. A new fragrant variety that is excellent for bedding, and cut bloom because of its uniform 15-inch height, and stems which are 10 to 12 inches long. Large, loosely formed flowers, of deep orange-gold 4 inches in diameter, ball-like, and every one double. Pkt. 35 cts., 3 pkts. \$1, 1/8 oz. \$1.50, 1/4 oz. \$2.50.

YELLOW PYGMY. This is a little 8-inch plant, to border a flower-bed or mark the edge of a garden path; it has double light lemon-yellow flowers, 1 1/4 inches across. Pkt. 15 cts., 1/4 oz. 50 cts., oz. \$1.50.

The following Marigolds are shown in color on page 18:

	Pkt.	1/8 oz.	1/4 oz.	Oz.
Golden Glow	\$0 15		\$0 50	\$1 50
Harmony	15		50	1 50
Little Giants Orange	25	\$0 75	1 25	
Orange Sunset	15	50	75	2 50
Scarlet Glow	25	1 00	1 50	

COLLECTION No. 28: One pkt. each above 5 varieties, 75 cts.

Myosotis, Blue Spire. A development of the Alpine Forget-me-not, blooming every April and May, bearing flowers of a lively blue, deep but bright. Wonderful for mass planting toward the front of the perennial border and ideal for carefully planting between May-flowering tulips, when they show through in earliest spring as a charming ground-cover. Seed that you sow this spring and summer will develop into thrifty plants for next year. The height is 1 foot. Everyone likes the Forget-me-not, and this charming novelty kind is the best one for you to grow. Pkt. 50 cts., 3 pkts. \$1.25.

Ornamental Peppers. Somewhat akin to *Solanum Capsicastrum*, but the numerous fruits of this Christmas pot-plant are long, oval, dark green, ripening to bright red. The foliage is variegated, the markings being darker green, white, and purple. Sown in late spring, the plants may be carried through the summer outdoors and brought into a cool greenhouse in September. The attention of the commercial florist is especially drawn to this novelty for the Christmas trade. Pkt. 25 cts., 1/8 oz. 60 cts., 1/4 oz. \$1.



PETUNIA
Cream Star

PETUNIA
Red Wonder

ICELAND POPPY
Belvedere Beauty

SALVIA FARINACEA
Royal Blue (Page 14)

ICELAND POPPY
Red Cardinal

PETUNIA
Violet-Blue

PHLOX
Salmon Glory

Wonderful New Petunias

ALL-AMERICA SILVER MEDAL

FIRST LADY. Beautiful blooms of light blush-pink (a rare hue) are $2\frac{1}{2}$ inches across. We recommend this new kind for bedding for two reasons: the color is excellent, while the compact flower-covered plants have a uniformity in size and shape that will impart a touch of the skilled craftsman to your flower-bed. Height, 1 foot. Pkt. 50 cts., 3 pkts. \$1.25.

ALL-AMERICA SILVER MEDAL

RADIANCE. New bedding variety with flowers that are from $2\frac{1}{2}$ to 3 inches in diameter. The color is a brilliant and lively rich rose or cerise, with a salmon undertone and brown honey-guides or veins in the golden throat. Each plant is covered with these radiant blooms until frost. $1\frac{1}{2}$ feet. Pkt. 35 cts., 3 pkts. \$1.

BALCONY PETUNIA, RED WONDER. This spreading plant is just the thing for window-boxes or baskets and is valuable for bedding. Flowers that are nearly 4 inches in diameter and true, clear, bright red, slightly veined darker red, with a near-black center. Pkt. 35 cts., 3 pkts. \$1, $\frac{1}{8}$ oz. \$1.50.

CREAM STAR. Here is an ideal Petunia for the white garden and a variety that is delightfully different. Freely borne throughout the summer are moderately large flowers of a soft cream-white, having an inner star-shaped mark of a darker cream. The plant grows slightly over a foot high. Pkt. 25 cts., 5 pkts. \$1, $\frac{1}{8}$ oz. \$1.50.

RUFFLED, MIXED. Flowers are 4 inches in diameter, and ruffled. All possible colors are in the mixture, from white, through pink to red. Splendid both for bedding and pot-culture, because the plants are uniformly compact and dwarf. Height, 10 inches. Pkt. 50 cts., 3 pkts. \$1.25.

VIOLET-BLUE. Here is a new color in the Nana compacta group—flowers are rich violet within and bright blue without. The plants are sturdy and compact, grow from 9 to 12 inches high; covered with flowers all summer. Pkt. 35 cts., 3 pkts. \$1, $\frac{1}{8}$ oz. \$1.50.

Iceland Poppies

BELVEDERE BEAUTY. Perennial. Mixture of new colors: cherry, flame, cardinal, carmine, crimson, pink, rose, apricot and other hues. Exceptionally large blooms. Pkt. 35 cts., 3 pkts. \$1.

RED CARDINAL. Perennial. Magnificent Poppy, in color the nearest yet to crimson-scarlet. Pkt. 25 cts., 5 pkts. \$1.

Annual Phlox

ALL-AMERICA BRONZE MEDAL

ROSY MORN. The florets are in large clusters; each one, which is as large as a fifty-cent piece, is brilliant rose in color, with a white center. An early and continuous bloomer, it is excellent for bedding. 1 foot. Pkt. 35 cts., 3 pkts. \$1, $\frac{1}{8}$ oz. \$2.

SALMON GLORY. Enormous flowers in clusters are rich salmon-pink, and each individual floret has a cream-white eye. Height, 10 inches. Pkt. 25 cts., $\frac{1}{8}$ oz. 75 cts., $\frac{1}{4}$ oz. \$1.25.

Washington Petunias

Ruffled and frilled blooms on little bushy plants only 9 inches high. They are just what you need for pot-work and low bedding.

GENERAL WASHINGTON. The 3-inch trumpets are a rich velvety amaranth-red, with a glistening reddish black throat.

MARTHA WASHINGTON. Large trumpets are beautiful blush-pink; the center is veined wine-red, deepening to dark violet in the center of the flower.

Each, pkt. 35 cts., 3 pkts. \$1

Gem Petunias

Indispensable for borders, window-boxes, pots, beds, and rock-gardens, these tiny plants are indeed charming. They grow only 6 to 7 inches high, but the flowers are about 2 inches in diameter.

ALL-AMERICA HON. MENTION

VIOLET GEM. It is covered all summer with flowers that are deeply lobed and broad-pointed. The color is rich violet-blue. Pkt.

50 cts., 3 pkts. \$1.25.

White Gem.

Pink Gem.

Pink and White Gem.

Rose Gem.

Above, pkt. 35 cts., 3 pkts. \$1, $\frac{1}{8}$ oz. \$1.50, $\frac{1}{4}$ oz. \$2.50

A Charming All-Double Petunia

ALL-AMERICA SILVER MEDAL

BLUE BROCADE. Large, 4-inch flowers of rich violet-blue. Their color is fixed and true, however; they are pleasingly fragrant and about 4 inches across. The habit of the plant is stocky and dwarf. Height, 1 foot. Like many another double flower grown from seed, the proportion of singles may be reduced if you discard, or plant elsewhere, the strongest seedlings at transplanting time. Pkt. 75 cts., 3 pkts. \$2.

Primula malacoides (Baby Primrose) Giant California Strain

These are strong, robust subjects for culture in pots in the greenhouse and conservatory. The flowers are exceptionally large and well formed, and the plants which produce them are invariably handsome specimens.

ENCHANTRESS. Flowers over 1 inch in diameter and a splendid tone of blush-pink. Pkt. \$1.50.

LAVENDER GLORY. The flowers are about $1\frac{1}{4}$ inches across, and soft lavender in color. Pkt. \$1.

SNOWFLAKE. The inch-wide blooms are pure glistening white, and they contrast pleasingly with the lush green foliage. Pkt. \$1.

CALIFORNIA, MIXED. Fine assortment of colors. Pkt. \$1.

DOUBLE FAIRY JEWELS. Double flowers with a crested center, $\frac{3}{4}$ inch to 1 inch across; the color is a rich rose-pink, slightly lighter at the edges. From seed, one may expect well over 90 per cent double-flowering plants to be produced. Pkt. \$1.50.



SWEET PEA
Siesta

SWEET PEA
Sweet Afton

SWEET PEA
Salmon Gigantic

SCABIOSA
Heavenly Blue

SWEET PEA
Red Supreme

SWEET PEA
Ruffled White

SWEET PEA
Tops

SWEET PEA
Violet Banner

The Welwyn Salvias *Height, 3 ft.*

Of exceptional merit. Covered with large blooms on strong spikes from mid-August on; until then, invaluable for green-garden effect.

WELWYN PINK. Charming hue; plant it where scarlet sage would be out of harmony with your color-scheme.

WELWYN WHITE. Magnificent pure white variety, and an appropriate companion to the above.

Each, pkt. 35 cts., 3 pkts. \$1

Salvia farinacea, Royal Blue. The blue of this new variety is most intense and the tall, bushy plants, topped with the remarkably abundant bloom, make a very striking border in front of shrubs, evergreens, tall annuals or perennials. A perennial, which may be treated like an annual. Height, 2½ to 3 feet. Pkt. 35 cts., 3 pkts. \$1.

Improved Annual Scabiosas

**ALL-AMERICA
HON. MENTION**

PEACE. A fully double, white Sweet Scabious, and an ideal annual for cutting. It may be grown or shown to excellent advantage along with a blue variety. Flowers are shaped like a bee-hive 1¾ inches across, and are borne on 8-inch long stems. Pkt. 25 cts., ½ oz. \$1, ¼ oz. \$1.50.

HEAVENLY BLUE. Ideal bedding variety because the plants are compact and the flowers are on short stems. They are cone-shaped and a lovely shade of azure-blue. A very early sort, 1½ feet high. Pkt. 25 cts., ¼ oz. \$1, oz. \$3.50.

BLUE MOON. Columnar plants grow 3 to 4 feet high and carry large, fully double flowers. These are shaped like a beehive, 2¾ inches across, and are a rich, deep lavender-blue color. Invaluable as a florists' cut-flower. Pkt. 20 cts., ¼ oz. 60 cts., oz. \$2.

THE COCKADE SCABIOSAS. Larger, truly double flowers are cone-shaped instead of flattened. Colors are pure and sparkling.

Royal Cockade. Blue. Rose Cockade White Cockade
Above 3 colors, pkt. 35 cts., 3 pkts. \$1

SPRING-FLOWERING SWEET PEAS. Takes longer to grow than the early-flowering or greenhouse type, but is ahead of the Summer-flowering Sweet Pea. Stands heat better than either, and may be grown indoors or out. Flower-stems are long; the blooms large and fluted. Rose-pink, Blue and Lavender were All-America Winners last year.

Rose-Pink Blue Lavender
Above 3, pkt. 25 cts., ½ oz. \$1, oz. \$1.50

Clear Pink White Mauve
Above 3, pkt. 25 cts., ½ pkts. \$1 (pkts. only)

COLLECTION No. 13: One pkt. each of 6 colors, \$1.25

Good Summer Sweet Peas

BOUNTIFUL. (Blue.) Fine new Multiflora type, bearing 5, 6, and sometimes 7 large flowers on long stems. The color is mid-blue, becoming silver-blue at the margins. Pkt. 10 cts., oz. 35 cts.

DADDY LONG LEGS. (Cerise.) Veined and flushed bright scarlet. Strong plant and the stems, each with four flowers, are so long as to suggest its name. Pkt. 20 cts., oz. 75 cts.

HORN OF PLENTY. (Rose-pink.) Gradually lightening toward the center to white. Gives five or six flowers on each long stem; strong-growing sort. Pkt. 10 cts., oz. 35 cts.

IDEAL. (Rose-cerise.) This won the Certificate of Merit, Scottish Sweet Pea Trials, 1939. Usually has four big duplexed blooms on its wiry stems. A splendid sort. Pkt. 20 cts., oz. 75 cts.

RARITY. (Orange-cerise on white.) On a white ground, the standard and wings are faintly flaked, while the back of the standards and wings are almost solid orange-cerise. Pkt. 20 cts., oz. 75 cts.

RED SUPREME. (Bright red.) There is none of the dull shading usually found in other reds—the color is pure, brilliant and flashing. Robust plant. It is the one in this color on which you should standardize. Pkt. 15 cts., oz. 50 cts.

RUFFLED WHITE. (White.) A chaste flower, frilled and ruffled. Splendid novelty, and invaluable for the grower of cut-flowers. Pkt. 10 cts., oz. 35 cts.

SALMON GIGANTIC. (Salmon-pink.) The plant is vigorous and the flowers are enormous, waved and frilled; the stems are long. A delicate hue, rich and bright. Pkt. 15 cts., oz. 50 cts.

SIESTA. (Rose-pink.) Offered for the first time this season, although it was awarded the Scottish Silver Medal at the Sweet Pea Trials in 1936. Vivacious color, long stems, plenty of bloom and robust growth are the points of this wonderful new variety. Pkt. 20 cts., oz. 75 cts..

SWEET AFTON. (Deep silver-pink.) The refined color of the flower is deceiving, in that the plant is sturdy, vigorous, and the flowers are on stiff, wiry stems. As good under artificial illumination as in daylight. Pkt. 15 cts., oz. 50 cts..

TOPS. (Cream-pink, suffused salmon.) Four blooms on a stem is the rule, and the color is sparkling and lively. A healthy, strong-growing sort. Pkt. 20 cts., oz. 75 cts.

VIOLET BANNER. (Violet.) A deep shade, striped and flaked blue. The color is unusual and the plants vigorous. Won the Award of Merit at the Scottish National Sweet Pea Society's trials, 1938. Pkt. 10 cts., oz. 35 cts..

COLLECTION No. 14: One pkt. each of above 12 good varieties, \$1.50



STOCK
Mojave

STOCK
Fiery Red

FANTASY ZINNIAS
Wildfire (top)
Stardust (bottom)

TRIPTERIS
Dwarf

ZINNIA
Campfire

STAR OF TEXAS

VERBENA
Flamingo

The Newest Stocks (Annuals)

MOJAVE. A new Giant of California variety which is excellent for greenhouse cultivation because of its very long flower-spikes; may be grown outdoors also, and is wonderful for cut bloom. Over 70 per cent of the flowers are double; deep, velvety purple.

FIERY RED. Of the Super-Giant Imperial type, this has been especially developed for cut-flower purposes. Height, 3 feet. Each plant produces a dozen or more spikes, with double, flame-color flowers, measuring 2 inches across.

Above 2 sorts, pkt. 35 cts., 1/8oz. \$1.25, 1/4oz. \$2

GARDENIA. (Non-branching.) The plant produces one flower-stem about 3 feet tall, the upper 12 to 15 inches of which are occupied by a spike of closely packed double florets of a waxy substance and pure snow-white. Here is an ideal variety for the commercial florist.

YELLOW WONDER. (Non-branching.) A new color in the columnar type, suitable for culture under glass for cut-bloom. The rich cream-yellow florets are 2 to 2 1/2 inches in diameter and are evenly placed on spikes which normally measure 18 inches; but trusses as long as 26 inches have been obtained.

Above 2 sorts, pkt. 75 cts., 3 pkts. \$2

Star of Texas (Xanthisma texanum). This wild flower has hitherto seldom been found in gardens. Sow in the open in spring and earlier under glass, thin or transplant to 1 foot apart. Grows 1 1/2 feet high and produces showy daisy flowers 2 inches across, with yellow centers and narrow yellow florets. Pkt. 35 cts., 3 pkts. \$1, 1/8oz. \$1.50.

Dwarf Purple Sunflower. On the 4-foot branching plant are produced fine single Sunflower blooms, which are 5 inches in diameter and dark in color. Annual. Pkt. 35 cts., 3 pkts. \$1.

New Verbenas

FLAMINGO. A giant newcomer to the Hybrida grandiflora group. Erect in growth, each plant has up to a dozen stems and each stem will bear as many as four enormous clusters of large vermilion-pink florets. Height, 1 1/2 feet. Pkt. 25 cts., 1/8oz. \$1, 1/4oz. \$1.50.

BLUE SENTINEL. The plants form mats about 10 inches high. Produced with great freedom all summer are large, deep flower-heads of a royal violet-blue color; the individual florets have a white center. Pkt. 25 cts., 1/8oz. 75 cts., 1/4oz. \$1.25.

Tripteris, Dwarf. Spreading mats of foliage 2 1/2 feet across and a foot high bear golden orange daisies with a brown eye and 2 inches in diameter. They are borne on long stems and thus are excellent for cut-flower purposes; they make unique flower-beds. Pkt. 25 cts., 1/8oz. 50 cts., 1/4oz. 75 cts.

Modern Zinnias

**ALL-AMERICA
BRONZE MEDAL**

BLACK RUBY. A lilliput or pompon variety, with 1 1/4-inch blooms on long stems; their color is a deep, velvety maroon. In a two-color or three-color planting or room-decorating scheme, this will prove ideal as the dark-hued factor. For flower-beds or cut-bloom it is equally indispensable. Height, 15 to 18 inches. Pkt. 25 cts., 1/8oz. 75 cts., 1/4oz. \$1.25.

UNIFLORA GIANTS. Very unusual in that only one flower grows on each plant, but the solitary flower is enormous (5 1/2 inches in diameter), as you would expect it to be. The plant does not branch but grows to its full 3 feet and the flower appears on top. A curio for the amateur and ideal for the exhibitor. We offer a mixture of all colors. Pkt. 50 cts., 3 pkts. \$1.25.

Scabious-flowered Zinnias

HOWARD CRESTED. 4 to 5 inches across with rounded cushion-like center which is surrounded by broad, flat guard florets. The flower will remind you of a mammoth Scabious or Pyrethrum. This is a blend of charming fresh colors—crimson, red, pink, yellow, scarlet, gold and the other hues you expect to find when high-grade Zinnias of the ordinary type are grown. Excellent for flower-beds, and a useful new cut-flower. Pkt. 25 cts., 1/8oz. \$1.25, 1/4oz. \$2.

CAMPFIRE. The plants grow 2 to 2 1/2 feet high and the blooms are of moderate size, making them suitable for room decoration. They are shaped like the scabious, but are a rich, dazzling scarlet. Effective bedding plants, especially when edged with dwarfier flowers of a contrasting or similar color. Pkt. 20 cts., 1/4oz. 75 cts., oz. \$2.50.

SUNBURST. These have a full, rounded center of small florets, surrounded by longer, broader ones. They are 1 1/2 to 2 inches across and are a pure, vivid, dazzling canary-yellow. Pkt. 20 cts., 1/4oz. 75 cts., oz. \$2.50.

Five Fantasy Zinnias

On 33-inch-high plants, lovely 3-inch blooms are developed in seven weeks from seed. The florets are shaggy, waved and frilled, making them lovely for cut-bloom and for annual flower-beds.

WILDFIRE. Vivid, intense scarlet. Pkt. 20 cts., 1/4oz. 75 cts., oz. \$2.50.

WHITE LIGHT. Nearly pure white.

ORANGE LADY. A gay shade of bright orange.

ROSALIE. Bright, intense rose.

STARDUST. The waved and frilled flowers are a rich, deep gold.

Above 4, pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50

COLLECTION No. 18: Pkt. each above 5 colors in Fantasy Zinnias, 60 cts.

FANTASY, MIXED COLORS. Pkt. 10 cts., 1/4oz. 35 cts., oz. \$1.25.



Ageratum



Aconitum



Sweet Alyssum

General List of Flower Seeds

We mail Flower Seeds post-free to any point in the United States

ABRONIA umbellata (Sand Verbena). *Annual*. Rosy pink; 9 in. Trailing plant, with flowers in clusters. Especially fragrant at night. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts.

ABUTILON (Flowering Maple), *Finest Mixed*. Greenhouse Plant. Cool house shrub, window plant and for summer bedding. Perpetual blooming. Bell-shaped flowers. 3 ft. Pkt. 25 cts., 5 pkts. \$1.

ACACIA lophantha. Greenhouse Shrub. Yellow; 6 ft. Related to mimosa. Narrow foliage and tassell-like flowers. Pkt. 15 cts., $\frac{1}{4}$ oz. 30 cts., oz. \$1.

Baileyana. Yellow flowers. Pkt. 25 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$2.

ACANTHUS latifolius (Bear's Breech). *Hardy Perennial*. Rose-colored flowers in $1\frac{1}{2}$ -ft. spikes. Aug., Sept. 3 ft. Pkt. 15 cts., oz. 75 cts.

ACHILLEA (Yarrow). *Perennial*. **Ptarmica, The Pearl**. White; $2\frac{1}{2}$ ft. Small, double flowers. Pkt. 25 cts., $\frac{1}{8}$ oz. \$1, $\frac{1}{4}$ oz. \$1.50.

Ageratifolia. White; 10 in. Rockery plant. Blooms from March to May. Pkt. 50 cts.

Filipendula. Yellow; 3 ft. Pkt. 15 cts., $\frac{1}{8}$ oz. 75 cts., $\frac{1}{4}$ oz. \$1.25.

Millefolium roseum. Pink; $1\frac{1}{2}$ ft. Pkt. 15 cts., $\frac{1}{8}$ oz. 40 cts., $\frac{1}{4}$ oz. 75 cts.

ACHIMENES, Mixed. Greenhouse *Perennial*, of simple culture. Allied to gloxinia, with trumpet-like flowers. Sow in winter. 1 ft. Pkt. 50 cts., 3 pkts. \$1.25.

ACONITUM (Monkshood). *Perennial*. **Wiloni**. Mid-blue; 6 ft. The handsomest of the Monkshoods. Long spikes of helmet-shaped flowers from summer until November. Pkt. 25 cts., $\frac{1}{8}$ oz. \$1.

Napellus. Dark blue; 3 ft. Pkt. 25 cts., $\frac{1}{8}$ oz. 75 cts., $\frac{1}{4}$ oz. \$1.25.

Napellus roseus. Lavender-pink; 3 ft. Pkt. 25 cts., $\frac{1}{8}$ oz. 75 cts., $\frac{1}{4}$ oz. \$1.25.

Fischeri. Dwarf. Deep blue; $1\frac{1}{2}$ ft. Pkt. 25 cts., $\frac{1}{8}$ oz. \$1.50.

Finest Mixed. All colors. Pkt. 25 cts., $\frac{1}{8}$ oz. 75 cts., $\frac{1}{4}$ oz. \$1.25.

ACROCLINIUM (Everlasting). *Annual*. Various colored, chaffy, daisy-like flowers, useful for dried bouquets for winter. 20 in. **Large Double Hybrids, Mixed Colors**. Pkt. 20 cts., $\frac{1}{4}$ oz. 75 cts., oz. \$2.

ADLUMIA cirrhosa (Mountain Fringe; Allegheny Vine). *Biennial Climber*. For trellises, etc. Fern-like foliage. Flowers tube-shaped, white or purplish. Sown early, will bloom same year. Pkt. 15 cts., $\frac{1}{8}$ oz. 75 cts., $\frac{1}{4}$ oz. \$1.25.

ADONIS aleppica (Pheasant's Eye). *Annual*. Buttercup-shaped blood-red flowers. $1\frac{1}{2}$ ft. Pkt. 25 cts., $\frac{1}{4}$ oz. \$1.50.

Vernalis (Spring Adonis). Yellow; 1 ft. 3-inch flowers. Pkt. 25 cts., $\frac{1}{4}$ oz. \$1.50.

ÆTHIONEMA persicum (Stone Cress). *Hardy Perennial*. Rose-pink flowers, similar to candytuft, in June and July. 9 in. Pkt. 35 cts., 3 pkts. \$1.

AGAPANTHUS (Lily-of-the-Nile). *Conservatory Perennial*. Lily-like leaves, surmounted by a large cluster of blue flowers. Pkt. 35 cts., 3 pkts. \$1.

AGATHEA cœlestis (Blue Daisy). Greenhouse Plant. Tender perennial, with beautiful blue flowers. 3 ft. Pkt. 15 cts., 2 pkts. 25 cts., $\frac{1}{4}$ oz. 75 cts.

AGAVE (Century Plant). Greenhouse *Perennial*. Long, thick leaves. Flower-stem appears at tenth or later year; may reach a height of 40 feet. Pkt. 50 cts., 3 pkts. \$1.25.

AGERATUM • Floss Flower

Annual. Edging and bedding plants with tassell-like clustered flowers from spring to frost.

Fairy Pink. A mass of bloom, starting even when but half grown. Delightful soft salmon-rose color. 5 in. Pkt. 50 cts., 3 pkts. \$1.25.

Improved Blue Ball. Dwarf, compact, very uniform plants. Large rich blue flowers produced continuously. 4 in. Pkt. 25 cts., $\frac{1}{8}$ oz. \$1, $\frac{1}{4}$ oz. \$1.50.

Blue Perfection. Deep blue flowers produced in abundance. May be used for cutting. 6 in. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Little Dorrit, Blue. Bright blue; 6 in. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Little Dorrit, White. Pure white; 6 in. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Little Silver Star. Silver-gray; 4 in. Pkt. 20 cts., $\frac{1}{8}$ oz. 60 cts., $\frac{1}{4}$ oz. \$1.

Midget Blue. See page 9. Pkt. 50 cts., 3 pkts. \$1.25, $\frac{1}{8}$ oz. \$2.50.

AGROSTEMMA coronaria (Rose Cam-
pion; Mullein-Pink; Dusty Miller). *Peren-
nial*. White, woolly leaves and stems, with
terminal five-petal flowers, 1 inch in diam-
eter. $2\frac{1}{2}$ ft. June to Sept.

Alba. White. **Mixed**. **Red**.
Flos-Jovis. Smaller, $\frac{1}{2}$ -in. carmine-rose
flowers in dense terminal clusters. 16 in.

Each, pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts.

AJUGA reptans (Bugle). *Creeping Rock-
Garden Perennial*. Small, pink-purple flow-
ers. Pkt. 35 cts., 3 pkts. \$1.

ALONSOA Warscewiczii. Greenhouse *An-
nual*. Bushy 3-ft. plants with bright scarlet
flowers. Dark green foliage. Pkt. 25 cts.

ALSTROEMERIA chilensis. *Tender Tuber-
ous Perennial*. Lily-like flowers. Sow seeds
under glass, plant out and store roots in-
doors over winter. Pkt. 35 cts., 3 pkts. \$1.

SWEET ALYSSUM • Madwort

White Carpet (*A. compactum*). *Annual*.
White; 3 in. Flowers are produced pro-
fusely. Pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts., oz. \$1.

Annual Yellow (*A. lutescens*). *Annual*.
Pale yellow, fading to white. 6 in. Pkt. 10
cts., $\frac{1}{4}$ oz. 30 cts., oz. \$1, $\frac{1}{4}$ lb. \$3.50.

Lilac Queen. *Hardy Annual*. Lilac; 6 in.
Combines well with White Carpet. Pkt.
10 cts., $\frac{1}{4}$ oz. 30 cts., oz. \$1, $\frac{1}{4}$ lb. \$3.50.

Little Gem (*A. maritimum*). *Hardy Annual*.
White; 6 in. Each plant covers a circle of
12 to 20 inches. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts.,
oz. 75 cts., $\frac{1}{4}$ lb. \$2.50.

Sweet Alyssum (*A. Benthami*). *Hardy An-
nual*. White; 9 in. Well-known fragrant
variety. Pkt. 10 cts., $\frac{1}{4}$ oz. 15 cts., oz.
50 cts., $\frac{1}{4}$ lb. \$1.50.

Violet Queen. See page 9. Pkt. 25 cts.,
 $\frac{1}{4}$ oz. \$1, oz. \$3.50.

Saxatile compactum (Golden Rain). *Peren-
nial*. Yellow; 15 in. Rock or border plant;
bright yellow flowers from April to June.
Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Saxatile, Silver Queen. *Perennial*. Lemon;
15 in. Early-blooming; will be appreciated
for its masses of the palest lemon flowers.
Pkt. 25 cts., 5 pkts. \$1.

Perennial Rock Species, Mixed. Includes
such varieties as Montanum, Rostratum,
Corymbosum, Gemonense, etc. Pkt. 25
cts., $\frac{1}{8}$ oz. 75 cts., $\frac{1}{4}$ oz. \$1.25.



CORNFLOWER

(Bachelor's Button) • *Centaurea Cyanus*

These make a fine showing in the annual border, and they are splendid cut-flowers. The intense color of Blue Boy is admired by all who know it, and the other hues are equally fine. We offer six colors:

Pinkie	Red Boy	Snow Man
Mauve Queen	Blue Boy	Black Boy

Each, pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts.

COLLECTION 27A:
Pkt. each above 6 colors **50 cts.**

NEW *Wilt-Resistant* EARLY GIANT ASTERS

Plants grow 2 to 3 feet high, and the flowers are enormous—4 to 5 inches across. Wonderful cut-flowers for room decoration.

Peach Blossom. Lavender-pink.

Rose Marie. Rose-color, bright and rich.

Light Blue. Bright, light hue.

Above 3 varieties, pkt. 25 cts., $\frac{1}{4}$ oz. \$1, oz. \$3.50

COLLECTION C-1: One pkt.
each above 3 varieties . . . **60 cts.**





GOLDEN GLOW

Height 2½ feet. Pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50.



LITTLE GIANTS, ORANGE

Height 1 foot. Pkt. 25 cts., ⅛oz. 75 cts., ¼oz. \$1.25.

Marigolds are sown in the open ground in May and thinned or transplanted to stand 9 to 12 inches apart. For early flowers, sow indoors in March or April, and transfer to the garden later.

They usually bloom until the end of October; first frosts rarely stop them.



HARMONY

Height 1 foot. Pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50.

Five Fine Marigolds

UNEQUALED FOR

Abundance of Beautiful Cut-Flowers, Brilliant Garden Effect, Ease of Culture

Detailed description will be found on pages 12 and 38

SPECIAL COLLECTION No. 21

Five packets, one each of these **75 cts.**
FIVE FINE MARIGOLDS



SCARLET GLOW

SCARLET GLOW

**ALL-AMERICA
HON. MENTION**

Bushy, foot-high sort, with fiery red flowers 2 inches across. Ideal for bedding, edging, pot-culture and cut-bloom.

Pkt. 25 cts., ⅛oz. \$1, ¼oz. \$1.50

All-America Novelties

A Committee of horticultural trade experts grows trial rows of new plants every season. Novelties which show high merit are given awards by the Committee. The most outstanding novelties in the Committee's trials are awarded Silver Medals; other novelties which show great merit are awarded Bronze Medals and Honorable Mention.

See pages 9-15 for these varieties.



ORANGE SUNSET

Height 3 feet. Pkt. 15 cts., ⅛oz. 50 cts., ¼oz. 75 cts.

Rust-Resistant Outdoor Antirrhinums • Snapdragons

Annuals of simple culture with hooded florets on long spikes. Excellent border and bedding plants.

Maximum Type *Height 3 feet*

- Alaska.** Pure white.
- *Apple Blossom.** Light pink.
- *Campfire.** Luminous scarlet.
- *Canary Bird.** Canary-yellow, deeper lip.
- Christmas Candle.** Bright flame-red.
- Copper King.** Burnished copper; gold lip.
- *Copper Shades.** Various shades of copper.
- *Crimson.** Deep crimson.
- Indian Summer.** Orange-copper-scarlet.
- *Loveliness.** Soft rose-pink.
- Red Cross.** White tube with crimson face.
- Swingtime.** Large pink florets, each tipped bright yellow, and with a white throat.
- Yellow Giant.** Closely placed flowers on large trusses; color, the deepest yellow so far.
- Each, pkt. 25 cts., 1/6oz. 75 cts., 1/4oz. \$1.25
- COLLECTION: 5 varieties marked (*), \$1
- Maximum, Mixed.** Pkt. 15 cts., 1/6oz. 50 cts., 1/4oz. 75 cts.
- Copper Queen.** See page 9. Pkt. 35 cts., 3 pkts. \$1, 1/6oz. \$2.50.

Majus Type *Height 2 1/2 feet*

- *Buttercup.** Canary-yellow.
- *Daintiness.** Deep pink.
- Harmony Shades.** Terra-cotta and rose.
- Opal Queen.** Combined pink, salmon and apricot; pale yellow tips.
- Padre.** Crimson, deep, rich and glistening.
- *Pink Shades.** Pleasing shades of pink.
- *Scarlet (Defiance).** Scarlet-red.
- *Shasta.** Pure white.
- Torchlight.** Garnet, suffused orange.
- Yellow Jacket.** Deepest yellow.
- Each, pkt. 15 cts., 1/6oz. 50 cts., 1/4oz. 75 cts.
- COLLECTION: 5 varieties marked (*), 60 cts.
- Majus, Mixed.** Pkt. 10 cts., 1/6oz. 35 cts., 1/4oz. 60 cts.
- Goldenrod.** The brilliant golden florets are fluted and crumpled. Height, 26 inches. Pkt. 35 cts., 3 pkts. \$1.
- Rosalie.** See description, page 9. Pkt. 25 cts., 1/6oz. 75 cts., 1/4oz. \$1.25.

Midget Antirrhinum

Height 6 in. (Not Rustproof)

- Rock Hybrids.** Valuable for edgings and the rock-garden; wonderful mixture. Early, continuous. Pkt. 25 cts., 1/6oz. \$1.
- Magic Carpet.** An attractive matting plant for the rock-garden. Flowers are a mixture of pastel hues. Perennial, usually treated as an annual. Pkt. 35 cts., 3 pkts. \$1.

Nanum Grandiflorum Type

Height 1 1/2 feet

Following described on page 9:

- Amber and Gold Du Barry**
Above 2, pkt. 35 cts., 3 pkts. \$1, 1/6oz. \$2
- Apple Blossom Gypsy Girl Ruby**
Above 3, pkt. 25 cts., 5 pkts. \$1, 1/6oz. \$1.50
- Red Rock.** The color is a blend of crimson, scarlet, orange, and violet.
- *Carmine-Rose.** Carmine-rose; yellow lip.
- *Glowing Sunset.** Lower half of blossoms velvety scarlet; upper half has a rose tinge.
- *Indian Girl.** Brownish shiny orange, overlaid with yellow.

- *Red Boy.** A brilliant flaming color.
- *Wildfire.** Orange-scarlet; yellow lip.
- *Yellow Gem.** Clear yellow.

- Antique Gold.** Shades of old-gold, copper, terra-cotta, fawn, and orange.
- Bumble Bee.** Crimson with a white tube and a large yellow snout.
- Each, pkt. 15 cts., 1/6oz. 50 cts., 1/4oz. 75 cts.

COLLECTION: 6 varieties marked (*), 75 cts.

Nanum grandiflorum, Mixed. Pkt. 10 cts., 1/6oz. 35 cts., 1/4oz. 60 cts.

California University, Mixed. All-America Winner, 1935. Fine color-range. Pkt. 10 cts., 1/6oz. 35 cts., oz. \$1.

Antirrhinums for the Greenhouse

Of Special Interest to the Professional Gardeners and Producing Florists

To obtain a succession of bloom, monthly sowings are usually made, starting in July.

- Afterglow.** Bronze. Pkt. \$1.
- Bertha Baur.** Lavender. Pkt. \$1.
- Bezdek's Yellow Wonder.** One of the best yellows. Pkt. \$2.
- Ceylon Court.** Yellow. Pkt. 50 cts.
- Cheviot Maid Supreme.** Dark rose-pink. Pkt. 75 cts.
- Cheviot Maid, Yellow.** Long-stemmed; pure medium yellow. Pkt. \$1.
- Cincinnati.** Rose-pink. Pkt. \$2.
- Coates' Yellow Perfection.** Splendid deep yellow. Pkt. \$1.
- Glorious.** Bright scarlet-bronze. Early. Pkt. \$2.
- Happiness.** Pink. Pkt. 75 cts.
- Helen.** Salmon-pink. Pkt. 75 cts.
- Hodaly's Ideal.** Sensational prize-winner. Carmine, shading to orange and lavender, tipped yellow; white throat. Pkt. \$2.
- Jennie Schneider.** Rose-pink. Pkt. 50 cts.
- Klondyke Supreme.** Very deep yellow. Early. Pkt. \$1.50.
- Laura.** Dark rose. Pkt. \$1.
- Lemon Beauty.** Fine, large, late sort with well-formed yellow spikes. 5 ft. Pkt. \$1.50.
- Lucky Strike.** White. Pkt. \$1.
- Marie Louise.** Splendid shell-pink. Robust plants. Pkt. \$2.
- Naomi.** See description, page 9. Pkt. \$3.
- New Deal.** Bronzy pink. Pkt. \$2.

- Penn Orange.** Pkt. \$1.
- Philadelphia Pink.** Pkt. 50 cts.
- Radiance.** Large; deep rose-pink. Pkt. \$1.
- Roman Gold.** Coppery yellow, suffused pink. Pkt. 75 cts.
- Rose Queen.** Pink. Pkt. \$1.
- Rumsonhill.** Brilliant rose. Vigorous sort, quick to bloom. 2 1/2 ft. Pkt. \$1.
- Schafforth's Early Pink.** Bright color. Pkt. \$2.
- St. Louis Early Pink.** One of the best. Pkt. \$2.
- Sun Tan.** Tan-yellow. Pkt. 75 cts.
- Talisman.** Florets are semi-double and double, and their color is a combination of rose and golden bronze. Early. Pkt. \$2.
- Terry's Surprise Improved.** Rose, shaded bronze. Pkt. \$2.
- Terry's Surprise.** Bronzy pink. Pkt. \$1.
- Velvet Beauty.** Fine rose-red. Pkt. \$1.
- Westover's Fringed White.** Fine pure white. Pkt. \$1.
- White Rock.** Pkt. 50 cts.
- White Wonder.** The finest pure white, with large, close spikes. 5 ft. Pkt. \$1.50.
- Winter Helen.** Salmon. Pkt. \$1.

THREE PACKETS OF A KIND

Three 50-ct. packets of any of above, \$1.25; three 75-ct. pkts., \$2; three \$1 pkts., \$2.50; three \$1.50 pkts., \$4; three \$2 pkts., \$5.

- AMARANTHUS.** Annual. Brilliant-foliaged plants, some bearing curious flowers.
- Caudatus** (Love-Lies-Bleeding). Blood-red; 4 ft. Drooping. Pkt. 10 cts.
- Cruentus** (Prince's Feather). Dark red; 4 ft. Feathery flowers. Pkt. 10 cts.
- Sunrise.** Scarlet; 4 ft. Foliage bronzy crimson, each branch ending in a scarlet tuft. Pkt. 15 cts., 2 pkts. 25 cts., 1/4oz. \$1.
- Molten Fire.** Scarlet; 4 ft. Bronze foliage tipped with a head of fiery scarlet. Pkt. 15 cts., 2 pkts. 25 cts., 1/4oz. \$1.
- Tricolor** (Joseph's Coat). 2 1/2 ft. Leaves red, yellow, and green. Pkt. 10 cts.

- ANAGALLIS** (Pimpernel). Annual. Splendid edging plant because its flowering period is long. It opens its flowers widest when fine weather is due and closes them tight as a storm warning.
- Bluebird.** Beautiful lobelia-blue; 10 in.
- Terra-Cotta.** Brilliant red hue; 10 in.
- Each, pkt. 10 cts., 1/6oz. 50 cts.

- ANODA hastata.** Hardy Perennial. Giant Mallow having glaucous, almost evergreen foliage and pink trumpet flowers. 5 ft. Pkt. 35 cts., 3 pkts. \$1.
- ANCHUSA** (Alkanet). Striking hairy-leaved plants with funnel-shaped, large, myosotis-like flowers.
- Capensis.** Biennial. Azure; 1 1/2 ft. July, Aug. Pkt. 10 cts., 1/4oz. 25 cts.
- Italica, Dropmore Variety.** Perennial. Gentian-blue flowers from July to September. Improved strain. 5 ft. Pkt. 15 cts., 1/4oz. 60 cts., oz. \$2.
- Myosotidiflora.** Perennial. Mass of blue flowers. 1 1/2 ft. Pkt. 50 cts., 3 pkts. \$1.25.
- Opal.** Perennial. Beautiful plant, similar to Dropmore, but pale blue. 5 ft. Pkt. 25 cts., 1/4oz. \$1, oz. \$3.50.
- Annual Blue Bird.** Dwarf, compact type, with vivid indigo-blue blossoms. Flowers two months after sowing. 1 1/2 ft. Pkt. 10 cts., 1/4oz. 50 cts., oz. \$1.50.

- ANEMONE** (Windflower). Hardy Perennials. These need winter protection outdoors; largely used for growing under glass.
- Chrysanth, Mixed.** Flowers are double, in a complete range of colors. 1 ft. Pkt. 25 cts., 1/6oz. 75 cts., 1/4oz. \$1.25.
- Giant de Caen, Mixed.** Giant French Anemone. 1 ft. Pkt. 15 cts., 1/4oz. 75 cts.
- Blue Poppy.** A fine, all-blue sort. 1 ft. Pkt. 25 cts., 1/6oz. 75 cts.
- His Excellency.** An all-scarlet-red variety. 1 ft. Pkt. 25 cts., 1/6oz. 75 cts.
- St. Brigid, Creagh Castle Strain, Mixed.** Great variety of colors. 1 ft. Pkt. 35 cts., 3 pkts. \$1.
- ANTHEMIS.** Perennial. Scented foliage.
- Kelwayi** (Marguerite). Large, yellow daisy flowers. 2 ft. July-Sept.
- Tinctoria.** Fine-cut foliage with 2-inch yellow flowers. 3 ft. June-Oct.
- Each, pkt. 10 cts., 1/6oz. 75 cts., oz. \$2.50
- Tinctoria, New Hybrids.** Pkt. 25 cts.



Aquilegia clematiflora



Arctotis grandis



Aster, Enchantress

AQUILEGIA • Columbine

Perennial. Graceful spurred flowers, often two-colored, on long stems in spring.

GIANT LONG-SPURRED. The plants are perfectly hardy and bear long-spurred, large flowers. Height 2½ feet.

Copper Queen. Copper and straw colors.

Blue Shades. All blues from light to dark.

Pink Shades. From light to darkest rose.

Scarlet Shades. Light and dark scarlet.

Mixed Shades. Including all above colors.

Each, pkt. 25 cts., ¼oz. \$1, ¼oz. \$1.50, oz. \$5

Clematiflora. New type; flowers shaped like a clematis. Mixed colors, mostly pink and blue. 1½ ft. Pkt. 75 cts., 3 pkts. \$2.

Crimson Star. Blood-red, center petals white. Pkt. 25 cts., 5 pkts. \$1.

Cærulea. Violet-blue and white; 2 ft. Pkt. 15 cts., ½oz. \$1.25, ¼oz. \$2.

Chrysantha. Yellow; 3 ft. Pkt. 10 cts., ½oz. 75 cts., ¼oz. \$1.25.

Californica hybrida. Yellow and orange; 3 ft. Pkt. 15 cts., ½oz. \$1, ¼oz. \$1.50.

Longissima. Yellow; 2½ ft. Spurs often 4 inches long. Pkt. 50 cts., 3 pkts. \$1.25.

Longissima hybrids. See page 9. Pkt. 50 cts., 3 pkts. \$1.25.

Rose Queen. Rose shades, white centers. 3 ft. Pkt. 25 cts., ½oz. \$1, ¼oz. \$1.75.

Sawco Colossal. See page 9. Pkt. 50 cts., 3 pkts. \$1.25, ½oz. \$2.

ARCTOTIS (African Daisy). *Annual.* White-woolly leaves and daisy-like flowers.

Autumn Shades. Mixed colors; 2 ft. Various tones of red, orange, and bronze, reminiscent of Indian Summer. Pkt. 35 cts., 3 pkts. \$1, ½oz. \$1.50.

Breviscapa aurantiaca. Orange; 6 in. Daisy-like flower, shading to reddish brown on the back. Pkt. 35 cts., 3 pkts. \$1.

Grandis. Lilac; 3 ft. Flowers are large, showy, white above, lilac-blue beneath. Pkt. 10 cts., ½oz. 50 cts., oz. \$1.50.

Sawco Hybrids. Mixed colors; 1 ft. Good for cutting. Mixture comprises: coppery rose, red, crimson, orange, gold, cream. Pkt. 35 cts., 3 pkts. \$1, ½oz. \$1.50.

ARENARIA montana (Sandwort). *Perennial.* White; 6 in. For the rock-garden or edging. A trailing carpet of green with small flowers. Pkt. 25 cts.

Asters Resistant to Wilt

Annual. Asters should have an open, sunny position, and prefer a good, rich, loamy soil; do not grow them on the same ground two years in succession. Seeds may be started in a sunny window, hotbed or coldframe in April and transferred to the garden as soon as danger of frost has gone. May also be sown outside in May. Allow 1½ feet between plants.

AURORA, GOLDEN SHEAF. Perfectly double deep yellow flowers with a center crest. Pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50.

BALL'S WHITE. Finest midseason white Aster. The flowers are 4 inches in diameter. Broad petals are slightly folded lengthwise. Pkt. 25 cts., ¼oz. 75 cts., oz. \$2.50.

BLUE FLAME. Bright navy-blue. Large, Comet-like flowers, fully double. Pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50.

ENCHANTRESS. Large salmon-rose flowers of the Crego type in early September. Pkt. 20 cts., ¼oz. 75 cts., oz. \$2.50.

HEART OF FRANCE. Ruby-red flowers on long, strong stems. Late-blooming. 2 ft. Pkt. 25 cts., ¼oz. 75 cts., oz. \$2.50.

ILLUSION. A soft pastel shade of apricot-pink, 2 feet tall. A new Crego type. Pkt. 20 cts., ¼oz. 75 cts., oz. \$2.50.

IMPERIAL RED. New giant single Aster, with curled outer florets. 1½ ft. Pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50.

EARLY GIANT VARIETIES on page 17.

Light Blue, Rose Marie, Peach Blossom

Above 3, pkt. 25 cts., ¼oz. \$1, oz. \$3.50

COLLECTION C-1: Pkt. each 3 varieties 60 cts.

ARABIS alpina (Rock-Cress). *Perennial.* White; 1 ft. For edging and rockeries. Spreading tufts covered with flowers in April. Pkt. 10 cts., ¼oz. 50 cts.

Alpina rosea. *Perennial.* Rose; 1 ft. Pkt. 25 cts., 5 pkts. \$1, ¼oz. \$2.

Snow Cap. White; 6 in. Blooms hide the leaves. Pkt. 25 cts., ½oz. \$1.25, ¼oz. \$2.

ARGEMONE mexicana (Prickly Poppy). *Annual.* Yellow shades; 2½ ft. Spiny foliage has a silvery mid-rib. Flowers are 3 inches across, yellow to creamy white.

Platyceras rosea (Crested Poppy). *Annual.* Ruby-rose; 2½ ft. Similar to the above.

Each, pkt. 10 cts., ¼oz. 50 cts.

QUEEN OF THE MARKET. *Wilt-resistant.* Well-known; early; branching habit. 1½ ft.

White **Scarlet**
Crimson **Flesh-Pink**
Dark Blue **Light Blue**

Any of above colors, pkt. 15 cts., ¼oz. 75 cts., oz. \$2.50

Mixed. Pkt. 10 cts., ¼oz. 50 cts., oz. \$1.50.

COLLECTION: Pkt. each, above 6 colors, 75 cts.

EARLY ROYAL. (Branching Type.) *Wilt-resistant.* Early-flowering form. July.

White **Purple**
Lavender **Shell-Pink**
Rose-Pink **Scarlet**

Each color, pkt. 15 cts., ¼oz. 75 cts., oz. \$2.50

Mixed. Pkt. 10 cts., ¼oz. 50 cts., oz. \$1.50.

COLLECTION: Pkt. each, above 6 colors, 75 cts.

IMPROVED CREGO, or OSTRICH-FEATHERED. (Comet Type.) *Wilt-resistant.* Finest of the Comet Asters. Long-stemmed flowers are 5 inches across.

Orchid **Azure-Blue** **Shell-Pink**
Deep Rose **Crimson**
Dark Blue **White**

Any of above colors, pkt. 20 cts., ¼oz. 75 cts., oz. \$2.50

Mixed. Pkt. 15 cts., ¼oz. 60 cts., oz. \$2.

COLLECTION: Pkt. each, above 7 colors, \$1.25

ARMERIA (Sea Pink; Thrift). *Perennial.* Useful and effective, tufted rock-garden plants with reed-like leaves and dense, rounded flower-heads from June to August.

Formosa. Beautiful pink; 12 in. Pkt. 20 cts., ½oz. 60 cts., ¼oz. \$1.

Formosa, Large-flowering Hybrids. Mixed colors; 16 in. Bright hues of pink, red, and carmine; large, ball-shaped flowers. Pkt. 25 cts., ½oz. 75 cts., ¼oz. \$1.25.

ARNICA montana (Mountain Tobacco). Fragrant perennial, with 2-inch yellow flowers; excellent for the rock-garden. 1½ ft. Tincture of arnica is made from it. Pkt. 25 cts., ½oz. 75 cts.

You will find an **English Type Garden Basket** surprisingly helpful in all your garden operations. Substantially made, 20 inches long, 10 inches wide, and 4½ inches deep, it costs \$3.50.



Midseason Giants Asters



Hardy Asters



Giant Sunshine Asters

Asters Resistant to Wilt

All colors are now available in varieties that are highly wilt-resistant. They are not claimed to be entirely immune, however, although they are very robust and less likely to be affected than old-time sorts.

ASTERMUMS. *Wilt-resistant.* New race of the Comet type. The plants are of upright growth frequently having twelve to fifteen strong, sturdy stems, each carrying enormous flowers like chrysanthemums.

White Lavender Rose-Pink

Each color, pkt. 20 cts., ¼oz. \$1, oz. \$3.50

Mixed. Pkt. 15 cts., ¼oz. 75 cts., oz. \$2.50.

COLLECTION: Pkt. each, above 3 colors, 50 cts.

THE SIX KINGS. The long, narrow petals are folded lengthwise or quilled; flowers last long when cut. Early midseason.

Crimson Peach Blossom
Blackish Blue Lavender
Rose White

Each color, pkt. 20 cts., ¼oz. 60 cts., oz. \$2

Mixed. Pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50.

COLLECTION: Pkt. each, above 3 colors, \$1

MIDSEASON GIANTS. Sturdy, upright plants produce giant flowers often measuring 6 inches in diameter, fully double, and of great substance.

Azure-Blue Shell-Pink Purple
Lilac White Rich Rose

Each color, pkt. 25 cts., ¼oz. 75 cts., oz. \$2.50

Mixed. Pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50.

COLLECTION: Pkt. each, above 6 colors, \$1

BEAUTY. This type comes into bloom in September and is at its best through October. The plants grow nearly 3 feet high and bear their very large, dense flowers on long stems.

Flesh-Pink Deep Rose White
Purple Azure-Blue Crimson

Each color, pkt. 25 cts., ¼oz. 75 cts., oz. \$2.50

Mixed. Pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50.

COLLECTION: Pkt. each, above 6 colors, \$1

ARALIA Sieboldi. *Conservatory Evergreen.* Foliage Perennial. Grows up to 20 feet high. Pkt. 35 cts., 3 pkts. \$1.

SINGLE COMET. Very decorative. Large blooms measure 5 to 6 inches across.

White Dark Blue Scarlet
Light Blue Light Rose

Each color, pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50

Mixed. Pkt. 10 cts., ¼oz. 35 cts., oz. \$1.25.

COLLECTION: Pkt. each, above 5 colors, 60 cts.

LATE BRANCHING. The flowers are of extraordinary size and stand erect on long, graceful stems, well above the foliage.

Pure White Purple
Shell-Pink Crimson
Rose-Pink Sensation (red)
Lavender

Each color, pkt. 15 cts., ¼oz. 75 cts., oz. \$2.50

Mixed. Pkt. 10 cts., ¼oz. 50 cts., oz. \$1.50.

COLLECTION: Pkt. each, above 7 colors, 85 cts.

Non-Wilt-Resistant Strains

LILLIPUT-FLOWERED. Beautiful early, dwarf Asters, producing an abundance of small flowers; valuable for cutting. 14 in.

Crimson White, Blue Center
Dark Blue White, Rose Center
Brilliant Rose Pure White
Fiery Scarlet Mixed

Each color, pkt. 15 cts., ¼oz. 75 cts., oz. \$2.50

COLLECTION: Pkt. each, above 7 colors, 85 cts.

GIANT SUNSHINE. Individual blooms are enormous, 4 to 6 inches in diameter, with cushiony centers of tubular florets and rims of exquisitely pointed out-guard florets. 3 ft.

Pale Pink Rich Rose
Lavender White
Salmon-Pink Mixed
Light Blue

Each color, pkt. 25 cts., ¼oz. 60 cts., ¼oz. \$1

COLLECTION: Pkt. each, above 6 colors, \$1

ARNEBIA cornuta (Arabian Primrose). Annual. Tubular yellow flowers spotted brown. 2 ft. Pkt. 35 cts., 3 pkts. \$1.

Hardy Aster, Perennial

Michaelmas Daisy; Starwort

Alpinus (Rock Aster). Large soft blue flowers. Good rock-garden plant. 9 in. May, June. Pkt. 15 cts., ¼oz. \$1, ¼oz. \$1.50.

Alpinus albus. White form of the above; 9 in. Pkt. 15 cts., ¼oz. \$1, ¼oz. \$1.50.

Amellus, Sonia (Italian Aster). Pure bright pink color. Awarded Certificate, R. H. S., England. 2 ft. Pkt. 50 cts., 3 pkts. \$1.25.

Bessarabicus. Large, rich violet-colored flowers. 2 ft. Pkt. 15 cts., ¼oz. \$1.50.

Novæ-angliæ, Mixed. Good-sized flowers. Violet-purple, reddish crimson and pink. 4 ft. Pkt. 15 cts., ¼oz. 60 cts., ¼oz. \$1.

Subcæruleus, Wartburg Star. Bright lavender-blue flowers, with pronounced yellow centers. Long stems. Excellent for cutting. 2 ft. Pkt. 50 cts., 3 pkts. \$1.25.

ASCLEPIAS curassavica (Blood Flower). Greenhouse Plant. Purplish red flowers with orange hoods. Winter bloomer. 2 ft.

Tuberosa (Butterfly Weed; Pleurisy Root). Hardy Perennial. Orange; 2½ ft.

Each, pkt. 15 cts., 2 pkts. 25 cts.

ASPARAGUS plumosus nanus. Greenhouse Plant. A graceful subject for house or conservatory. Finely cut, fern-like foliage. Pkt. 25 cts., 100 seeds 60 cts., 500 seeds \$1.75, 1000 seeds \$3.

Sprengeri. Greenhouse Climber. For hanging-baskets or cutting. Leaflets about 1 inch long. Pkt. 15 cts., 100 seeds 50 cts., 500 seeds \$1.50, 1000 seeds \$2.50.

ASPERULA odorata (Woodruff). See page 73. Pkt. 25 cts., ¼oz. 60 cts.

AUBRIETIA (False Wall Cress). Perennial. Rock-plants, forming mats of foliage and flowers in spring and summer. 6 in.

Bougainvillei. Dark blue.

Deltoides. Lilac. **Græca.** Light blue. Above 3 varieties, pkt. 15 cts., 2 pkts. 25 cts.

Leichtlini. Bright reddish crimson color. Pkt. 25 cts., 5 pkts. \$1.

Large-flowering Hybrids, Mixed. Wide color-range. Pkt. 25 cts., 5 pkts. \$1.

AURICULA. Perennial. Primrose-shaped blooms, in color from dark crimson-scarlet through pink to cream; 8 in. Sow in March; they bloom indoors next winter, or are bedded out in spring. New Triumph Strain. Pkt. 50 cts.



Begonias, Gracilis Type



Balsam, White Perfection



Giant-flowering Daisy (Bellis)

BEGONIAS

The following varieties of *Begonia semperflorens* and *B. gracilis* rank as bedding plants with geraniums and coleus, doing equally well in full sunlight, and surpassing both in shady positions. They grow about 1 foot high, and form dense bushes which, from May until frost, are hidden with flowers. As pot-plants they are a mass of bloom all year. Easily raised from seed sown indoors or in a hotbed.

Semperflorens Type

Carmen. Similar in type to Indian Maid. The flowers are clear pink and the foliage is a dark, shining green.

Coral Prize. Resembles Christmas Pink in type of growth and leaves, except that it is a deep coral-pink self.

Indian Maid. A dwarf Begonia growing not more than 15 inches high, with deep blackish brown foliage and brilliant orangy scarlet flowers of about 1 inch in diameter.

Isle de France. Similar to Coral Prize in type, but flowers are pure white.

Zahringer. Similar in every respect to Christmas Cheer, with the exception of the color. The flowers are from 1½ to 2 inches across, rose-pink, shading to white in the center.

Above 5 sorts, pkt. 50 cts., 3 pkts. \$1.25,
6 pkts. \$2

Knaake's Fire. Scarlet. 6 in.

Glut (Glow). Dark red. 6 in.

Striegau. Fiery carmine. Flowers up to 2½ inches across. 10 in.

Above 3 sorts, pkt. 50 cts., 3 pkts. \$1.25

Christmas Cheer. Flowers attain a diameter of 2 inches, plants being covered with them. The color is bright cherry-red. Pkt. 25 cts., 5 pkts. \$1, ¼oz. \$3.50.

Christmas Pink. Same as above, except in color, which is a beautiful shade of bright pink. Pkt. 25 cts., 5 pkts. \$1, ¼oz. \$3.50.

Erfordi. Rosy carmine. Green foliage. Pkt. 35 cts., 3 pkts. \$1.

White Bedding Queen. Pure, glistening white. Pkt. 25 cts., 5 pkts. \$1.

Dwarf Vernon. Bright orange-carmine. Pkt. 25 cts., 5 pkts. \$1.

Gracilis Type

Primadonna. Carmine-rose. Brown-tinted foliage.

Luminosa. Brilliant dark scarlet.

Each, pkt. 25 cts., 5 pkts. \$1

Luminosa compacta. Profusion of scarlet flowers. 5 in. Pkt. 50 cts., 3 pkts. \$1.25.

Tuberous-rooted Begonias

Grow indoors and out (during summer).

Single, Mixed. **Double, Mixed.**

Each, pkt. 50 cts., 3 pkts. \$1.25

Other Begonias

Evansiana. Hardy Begonia. Large flesh-colored flowers. Height 2 ft. Tuberous-rooted variety that will usually stand a New York winter if mulched with peat moss. Pkt. 75 cts., 3 pkts. \$2.

Lloyd, Mixed. Drooping type, useful for basket-work. Pkt. 75 cts., 3 pkts. \$2.

Rex. Fine hybrids. Wonderfully marked and colored leaves. Unavailable, due to war.

BALLOON VINE (Love-in-a-Puff). Annual Climber. White; 8 ft. The inflated seed-vessels are interesting. Pkt. 10 cts., ½oz. 30 cts., oz. 50 cts.

BAPTISIA australis (False Indigo). Perennial. Blue; 3 ft. Deep green, cut foliage and lupine-like flowers. June, July. Pkt. 10 cts., ¼oz. 35 cts., oz. \$1.25.

BALSAM

Lady's Slipper

Annual. Sturdy pyramidal plants (except Bush-flowered) with brilliant double flowers shaped like camellias, borne close to the stem. Useful and very showy garden subjects, which make excellent flower-beds.

White Perfection. Large; white.

Scarlet King. Glowing, fiery scarlet.

Salmon Queen. Deep salmon-pink.

Lilac Gem. Beautiful pale lilac.

Purple King. Rich purple.

Primrose Gem. Beautiful primrose

Each, pkt. 10 cts., ¼oz. 50 cts.

COLLECTION: Pkt. each, above 6 colors, 50 cts.

S. & W. Co.'s Double, Mixed. Self-colors as well as spotted, blotched and striped varieties. An effective blend. Pkt. 10 cts., ¼oz. 30 cts., oz. \$1.

Bush-flowered, Mixed. Rounded plants like the above, but the flowers range from white, through scarlet, lilac, and pink to yellow. Pkt. 25 cts., ¼oz. \$1, oz. \$3.50.

BARTONIA aurea. Annual. Yellow; 1 ft. Buttercup-like flowers open evenings, from July to September. Fragrant and useful for cutting. Pkt. 10 cts., ¼oz. 50 cts.

BEET, Ornamental. Ideal edging plants, and for bedding.

Red-leaved **Golden-leaved**

Each, pkt. 25 cts., 5 pkts. \$1

BELLIS (English Daisy). Familiar dwarf hardy perennial with bright flowers (all double except last variety) for edging spring flower-beds. Stands the winter if given protection. Blooms from early spring until summer. Seed may be sown in early summer to bloom the following year.

Giant-flowering.

White **Pink** **Mixed**

Each, pkt. 25 cts., ¼oz. \$1

Snowball. Pkt. 15 cts., ¼oz. 75 cts.

Longfellow, Pink. Pkt. 15 cts., ¼oz. 75c.

Red Quilled. Pkt. 25 cts., ¼oz. \$1.50.

English Daisy (Bellis perennis). The small single wild flower found in English lawns. Pkt. 15 cts., ¼oz. 75 cts., oz. \$2.50.

BIDENS Riedelli. See page 10. Pkt. 25 cts., 5 pkts. \$1.

BOCCONIA cordata (Plume Poppy; Tree Celandine). Perennial. Light yellow; 5 ft. Effective as single specimens or groups. Bears spikes of cream-colored flowers, 1 to 2 ft. long. Pkt. 10 cts., ¼oz. 50 cts.

BOLTONIA latisquama (False Chamomile). Perennial. Lilac-pink; 5 ft. Resembling the wild aster. Daisy-like flowers from July to September. Pkt. 15 cts.

BRACHYCOME (Swan River Daisy). Annual. 1½ ft. Dwarf plant covered during the summer with a profusion of flowers. Good for edging or borders, giving a beautiful display.

Blue Star **Red Star** **White Star**

Each, pkt. 15 cts., ¼oz. 75 cts.

BROWALLIA (Amethyst). Annual. Beautiful rich blue tubular flowers during summer and autumn. Blooms freely in winter if plants are lifted and cut back.

Sapphire. 10 in. Dark blue, white eye.

Speciosa major. 1 ft. Large; violet-blue.

Each, pkt. 25 cts., ¼ pkts. \$1

CALENDULA • Pot Marigold

Annuals; yellow or orange daisy-like flowers. Sow in the open in spring, or earlier indoors and transplant. Grown under glass during winter. 2 feet.

New Double Art Shades. A mixture of colors that hitherto have been unobtainable: pastel hues of cream, apricot, yellow, tangerine, etc. Suitable for both indoors and out. Pkt. 15 cts., 1/4 oz. 35 cts., oz. \$1.25.

Campfire (Sensation). The best forcing Calendula. The flat blooms are large, brilliant orange, with a scarlet sheen. Pkt. 15 cts., 1/4 oz. 50 cts., oz. \$1.50.

Radio. The florets are beautifully quilled and the flower is very globular in shape. In color it is a warm, deep yellow. Pkt. 10 cts., 1/4 oz. 25 cts., oz. 75 cts.

Chrysanth. Large, double, buttercup-yellow flowers, globe-shaped and with large, drooping chrysanthemum-like florets. Pkt. 15 cts., 1/4 oz. 35 cts., oz. \$1.25.

Chrysanth., Twilight. Splendid novelty. The large, incurved blooms, measuring 4 inches across, are soft, pastel yellow, blended with white, like thick, rich cream. Pkt. 15 cts., 1/4 oz. 50 cts., oz. \$1.50.

Orange Shaggy. Florets overlap and flowers look like a chrysanthemum. Deep orange. Pkt. 10 cts., 1/4 oz. 25 cts., oz. 75 cts.

Lemon Shaggy. A fitting companion to the above. The color is a live lemon-yellow. Pkt. 15 cts., 1/4 oz. 35 cts., oz. \$1.25.

Orange Fantasy. The center or crest of the flower is 3/4 inch across and mahogany-bronze, while the outer portion is orange. Over all, the blooms average 3 3/4 inches. Pkt. 15 cts., 1/4 oz. 35 cts., oz. \$1.25.

Gold King Lemon King Orange King Above three, pkt. 15 cts., 1/4 oz. 35 cts., oz. \$1.25

COLLECTION: Pkt. each, above 3, 35 cts.; 1/4 oz. each of above 3, \$1

Following described on page 10:

Pale Moon Yellow Colossal
Each, pkt. 15 cts., 1/4 oz. 50 cts., oz. \$1.50

BALL'S STRAIN CALENDULAS

Ball's Orange Improved
Ball's Gold Improved **Ball's Apricot**
Ball's Masterpiece **Ball's Supreme**
Each, pkt. 15 cts., 1/4 oz. 50 cts., oz. \$1.50

Mixed Calendulas. All colors from near white to deep orange. Pkt. 10 cts., 1/4 oz. 15 cts., oz. 50 cts.

CALCEOLARIA (Slipperwort). Greenhouse or Bedding Plant. Pouch-like flowers.

S. & W. Co.'s Giant Strain. Grown by an English specialist. Enormous blooms and the finest obtainable. For greenhouse growing. Pkt. 50 cts., 3 pkts. \$1.25.

Albert Kent. Flowers are 1 1/2 inches across. They are bright golden yellow with a rich maroon-red blotch. Grow it indoors or plant it out. Pkt. 25 cts., 5 pkts. \$1.

Feltham Scarlet. Dwarf and compact. The dark scarlet flowers make a glorious show in the greenhouse or sheltered in the open. Pkt. 50 cts., 3 pkts. \$1.25.

Multiflora nana, Golden Tiger. Small yellow, brown-spotted flowers in great profusion. Pkt. 50 cts., 3 pkts. \$1.25.

Multiflora nana, Indian Prince. Orange-scarlet flowers. Pkt. 50 cts., 3 pkts. \$1.25.

Multiflora nana, Mixed. Pkt. 50 cts., 3 pkts. \$1.25.

Rugosa, Mixed. Shrubby; for bedding. Pkt. 50 cts., 3 pkts. \$1.25.



Calendula, Orange Fantasy



Calceolaria



Coreopsis grandiflora, Double Sunburst

CALLIOPSIS and COREOPSIS

Showy annuals and perennials. The long-stemmed flowers are mostly yellow and daisy-shaped, with a center tuft and broad ray-florets which are wide, fluted, and frequently notched on the outer margin. Gather flowers freely, as doing so prolongs the blooming season until autumn. They are excellent for cut-bloom.

ANNUAL CALLIOPSIS

The Sultan. Maroon; 1 1/2 ft. Very large flowers of a rich maroon-crimson.

***Gold Crest.** Gold; 1 ft. Rich golden yellow, chestnut-brown center.

***Crimson King.** Garnet; 10 in. Crimson-garnet.

***Marmorata.** Yellow and red; 2 ft.

***Tiger Star.** Red and yellow; 10 in. Rich, reddish brown, tigered with golden yellow.

***Nigra speciosa.** Reddish brown; 2 ft. Large flowers.

***Bicolor nana.** Yellow, garnet eye; 10 in. **S. & W. Co.'s Mixture.** 2 ft. A selection of tall varieties.

Each, pkt. 10 cts., 1/4 oz. 50 cts., oz. \$1.50

COLLECTION: Pkt. each 6 marked (*), 50 cts.

Golden Crown. 2 ft. A mixture of gold and orange types; many of the large blossoms have double florets. Excellent cut-flowers; fragrant. Pkt. 10 cts., 1/4 oz. 25 cts., oz. 75 cts.

PERENNIAL COREOPSIS

Yellow Flowers

Grandiflora. 2 ft. Deep golden yellow, cup-shaped flowers on fine stems for cutting. Pkt. 10 cts., 1/4 oz. 25 cts., oz. 75 cts.

Grandiflora, Double Sunburst. 2 ft. Brilliant deep golden yellow flowers, 80 per cent of them fully double and 3 1/4 inches across. Excellent for cut-bloom. Pkt. 15 cts., 1/4 oz. 50 cts., oz. \$1.50.

Lanceolata grandiflora. 2 ft. Golden yellow. Pkt. 10 cts., 1/4 oz. 30 cts., oz. \$1.

Mayfield Giant. 3 1/2 ft. The plant is more vigorous than the type, with larger flowers on longer stems and the color is more intense yellow. Pkt. 15 cts., 1/4 oz. 35 cts., oz. \$1.25.

CACALIA coccinea (Tassel Flower; Flora's Paint-Brush). Annual. Red; 1 1/2 ft. Bright tassel-shaped flowers in clusters. June-Sept. Pkt. 10 cts., 1/4 oz. 50 cts.

CALAMINTHA alpina. Beautiful blue-flowering rock-garden perennial. 4 in. Pkt. 50 cts., 3 pkts. \$1.25.

CALANDRINIA grandiflora. Annual. Purple; 2 ft. Small flowers with yellow stamens. Pkt. 10 cts., 1/4 oz. 30 cts., oz. \$1.

Amaranth. See page 10. Pkt. 50 cts., 3 pkts. \$1.25.

CANARY CREEPER (Tropæolum canariense). Annual Climber. A rapid-growing climbing plant, producing hundreds of its small, pretty, fringed, bright yellow flowers. Pkt. 10 cts., 1/4 oz. 25 cts., oz. 75 cts.

CARDINAL CLIMBER (Star Glory; Ipomæa Quamoclit cardinalis). A rapid-growing, half-hardy annual climber, often reaching 30 feet. Fern-like foliage and cardinal-red flowers 1 1/2 inches in diameter, borne in clusters. Sow seeds indoors during April or outdoors in May. Pkt. 10 cts., 1/4 oz. 30 cts., oz. \$1.

CAMPANULA - Bellflower

Canterbury Bells

Campanula Medium

Biennial. One-inch-wide bells on long spikes. Seed should be sown from June to September; when strong enough, transplant 9 inches apart; after frost has set in, protect with leaves and straw. They flower the following June, after which they die.

Single White, Rose, Light Blue, Dark Blue, and Mixed. Each, pkt. 10 cts., 1/4oz. 50 cts., oz. \$1.50.

Double White, Rose, Light Blue, Dark Blue, and Mixed. Each, pkt. 15 cts., 1/4oz. 75 cts., oz. \$2.50.

Dwarf Bedding, Mixed. A really dwarf, compact type; splendid for bedding. Pkt. 15 cts., 1/4oz. 75 cts., oz. \$2.50.

Annual Canterbury Bells

If seeds are sown in gentle heat during February and March, and the seedlings planted out in the garden as soon as danger of frost has passed, the plants will bloom in September.

Wedding Bell. A new variety. Pure white.

Liberty Bell. Violet-blue.

Blue Bell. Beautiful Cambridge-blue.

Angelus Bell. Rose-pink.

Mission Bell. Clear pink.

Mixed.

Each, pkt. 10 cts., 1/4oz. 35 cts., oz. \$1.25
COLLECTION: Pkt. each, above 5 varieties, 35c.

Cup-and-Saucer Bells

Campanula calycanthema

Biennial. Large, single flowers on long spikes. The calyx is colored as well as the corolla, causing the flowers to resemble a cup and saucer.

White, Rose, Strawberry-Red, Light Blue, Dark Blue, and Mixed. Each, pkt. 15 cts., 1/4oz. 75 cts., oz. \$2.50.



Canterbury Bells

Perennial Campanulas

These are among our best border plants. Some will flower the first season from seed.

Carpatica. Blue; 6 in. Largely used for edging. Flowers all summer. Pkt. 15 cts., 1/4oz. \$1.

Carpatica alba. White; 6 in. Form of above. Pkt. 15 cts., 1/4oz. \$1.

Collina. Blue; 8 in. Beautiful bells in May on this splendid rock-garden plant. Pkt. 50 cts., 3 pkts. \$1.25.

Fragilis. Purple; 6 in. A trailing plant with pale purplish blue, white-centered flowers. Pkt. 25 cts., 5 pkts. \$1.

Garganica. Blue; 10 in. A lovely trailing rock-plant. Delicate pale blue. Pkt. 25 cts., 5 pkts. \$1.

Persicifolia grandiflora, Blue (Peach Bells). Blue; 3 ft. Large flowers. Pkt. 15 cts., 1/4oz. 60 cts., 1/2oz. \$1.

Persicifolia grandiflora alba. White; 3 ft. Form of above. Pkt. 20 cts., 1/4oz. \$1, 1/2oz. \$1.50.

Persicifolia grandiflora, Telham Beauty. Blue; 4 ft. Large flowers of delicate china-blue; within the bells is a silvery shading. Pkt. 25 cts., 1/4oz. \$1.50, 1/2oz. \$2.50.



Campanula garganica

Persicifolia grandiflora, Telham Beauty White. White; 4 ft. Large flowers. Pkt. 50 cts., 3 pkts. \$1.25.

Pyramidalis (Chimney Bellflower). Blue; 4 ft. Erect pyramidal plant with beautiful flowers. Pkt. 15 cts., 1/4oz. \$1.

Pyramidalis, White. Pkt. 15 cts., 1/4oz. \$1.
Rotundifolia, Olympica. Blue; 1 ft. A variety of Harebell or "Bluebells of Scotland." Light blue flowers all year; stands shade. Pkt. 25 cts., 5 pkts. \$1.

Wedgwood. See page 10. Pkt. 50 cts., 3 pkts. \$1.25.

CARNATIONS

Annual Varieties

GIANT DOUBLE KING. Seed may be sown outdoors in spring or, for earlier bloom, they may be sown indoors. Plant the seedlings 6 inches apart, and from mid-summer until frost you will have Carnations that are full and sweetly perfumed and medium large. Remove side-buds so as to allow one flower on a stem at a time.

**Maroon King
Rose King
Pink King**

**White King
Yellow King
Red King**

Mixed, All Colors

Each, pkt. 15 cts., 1/8oz. 60 cts., 1/4oz. \$1

COLLECTION: Pkt. each, above 6 colors, 75c.



Hardy Carnations

Annual Carnations, continued

ENFANT DE NICE. Of upright habit, with flowers 2 1/2 to 3 inches in diameter on long stems. This is, so far, the last word in annual Carnations. Colors come about 75% true from seed, and the plants are about 90% double.

Red Rose	Salmon Striped	White Mixed
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Each, pkt. 50 cts., 3 pkts. \$1.25

Chabaud's Everblooming. Discontinued in favor of Giant Double King.

Mixed Marguerite Carnations. Pkt. 10 cts., 1/4oz. 30 cts., oz. \$1.

Perennial Carnations

Double Border, Dwarf Grenadin

An early type of hardy perennial Carnations, with large flowers. Height 14 inches.

King of the Blacks White Scarlet	Yellow Rose Queen Mixed
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Each, pkt. 25 cts., 1/4oz. 75 cts., 1/2oz. \$1.25

Feathered Carnations. Flowers 2 1/2 to 3 inches across, pleasingly feathered and fringed, on 15-inch stems. Mixed colors only. Not available due to war.

PERPETUAL - FLOWERING CARNATIONS. The finest strain of these beautiful, hardy perennials. Outside they flower the entire summer; under glass they bloom all year. A mixture of large flowers in exquisite colorings. A creation of Allwood Bros. of Hayward's Heath, England, famed specialists. Originators' pkt. 50 cts.

PERPETUAL BORDER CARNATIONS. These combine the hardiness, shape, and beauty of the Border Carnation with the continued flowering of the Perpetual Carnation. Ideal hardy perennials, blooming all summer. Mixed colors. An Allwood creation. Originators' pkt. 50 cts.

HARDY COTTAGE CARNATIONS. See page 10. Allwood's pkt. 50 cts.

Hardy Carnations. U. S. grown. See page 10. Pkt. 25 cts., 1/8oz. \$1, 1/4oz. \$1.50.

CATANANCHE (Cupid's Dart). Perennial. Clusters of daisy-like, chaffy everlasting flowers. Blooms same year if sown early.

Cærulea. Blue; 3 ft.

Cærulea bicolor. Blue and white; 3 ft.

Each, pkt. 15 cts., 2 pkts. 25 cts.



Perennial Candytuft, *Sempervirens*

CANDYTUFT. *Iberis*

Popular fragrant plant, with bright flowers in flat clusters, for bedding or border work. Sow outdoors in April, where it is to bloom, and thin well when the plants grow about 1 inch. Sow also in July for fall blooming. Best results can be obtained by spacing the plants at least a foot apart. Keep faded flowers cut off, and water freely in dry weather.

Giant Hyacinth-flowered. White; 1 1/4 ft. Fine tall annual variety. Flowers large, borne in big trusses well above the foliage. For cutting or the border. Pkt. 10 cts., 1/4oz. 50 cts., oz. \$1.50.

Miniature Hyacinth-flowered

The Gem. White; 4 in. The trusses of large flowers are pushed above the plant, as in the Hyacinth-flowered type, but the entire plant is only 4 inches high. Pkt. 10 cts., 1/4oz. 50 cts., oz. \$1.50.

Mammoth-flowered Candytuft

Large-flowered but uniformly dwarf variety, suitable for edging, bedding, and for growth in the annual border. 10 in.

Carmine	Lavender
Rose-Cardinal	Crimson
White	Flesh-Pink

Each, pkt. 10 cts., 1/4oz. 30 cts., oz. \$1

Mixed. Pkt. 10 cts., 1/4oz. 25 cts., oz. 75 cts.

COLLECTION: Pkt. each, above 5 colors, 50c.

Perennial Candytuft

Both these are evergreen and 1 ft. high.

Gibraltarica. White, shaded pink and light purple. Pkt. 10 cts., 1/4oz. 50 cts., oz. \$1.50.

Sempervirens. Pure white flowers. Pkt. 15 cts., 1/4oz. 75 cts., oz. \$2.50.

CEPHALARIA alpina. Perennial. Yellow; 5 ft. For planting at the back of the border or to hide fences. Scabious-like blossoms on long stems. A striking plant, valuable for cut-flowers. July. Pkt. 25 cts., 5 pkts. \$1.

CERASTIUM tomentosum (Snow-in-Summer). Perennial. White; 9 in. Dwarf, creeping white-leaved edging plant. Small flowers. Pkt. 15 cts., 1/4oz. \$1, oz. \$3.

CASTOR-BEAN

Palma Christi; Ricinus

Annual. Tall, stately growing tender plants of tropical appearance. Oil is expressed from the curious beetle-like seeds.

Africanus. Very large green foliage.

Borboniensis arboreus. Green foliage. 15 ft.

Cambodgensis. Leaves bronzy maroon; red veins; stems black.

Communis. Green foliage. 6 ft.

Duchess of Edinburgh. Dark red foliage. 6 ft.

Sanguineus. Tricolor, red spotted. 10 ft.

Zanzibarensis. Green foliage with white veins.

Each, pkt. 10 cts., oz. 25 cts.

Mixed. Pkt. 10 cts., oz. 25 cts., 1/4lb. 75 cts., lb. \$2.

CHELIDONIUM, Yellow Queen (Celandine). A biennial plant, 4 to 5 feet high, with gray-green, cut foliage, somewhat resembling that of meconopsis. The flowers, in small clusters, are a beautiful butter-yellow. Pkt. 25 cts., 1/4oz. 75 cts.



Celosia plumosa

CELOSIA

Celosia cristata (Cockscomb) 1 ft.

Free-blooming annuals, growing best in light soil. Flowers are in tight clusters. Grand border plants, and they are attractive for pots. Seed can be sown under cover in early spring and planted out in May, or may be sown outdoors in May.

Empress. Rich crimson.

Glasgow Prize. Dark crimson.

Golden Yellow. A rich shade.

Rose. A fine deep pink.

Each, pkt. 15 cts., 1/4oz. \$1

Dwarf Mixed. Pkt. 10 cts., 1/4oz. 75 cts.

Two varieties described on page 10:

Royal Velvet	Miracle
---------------------	----------------

Each, pkt. 25 cts., 1/8oz. \$1, 1/4oz. \$1.50

Celosia plumosa 2 ft.

Feathered Cockscomb

Fine for large beds or groups. The flowers are plume-like and graceful; they can be cut and dried for winter bouquets. Ostrich Plume type.

Crimson	Yellow	Mixed
----------------	---------------	--------------

Each, pkt. 10 cts., 1/4oz. 50 cts.

Celosia plumosa superba. See page 10. Pkt. 25 cts., 1/8oz. \$1, 1/4oz. \$1.50.

Celosia plumosa, Heatherdell

1 1/2 ft.

Wonderful colors and a compact growth are the outstanding features of this Feathered Celosia. Specially suitable for greenhouse culture.

Golden Feather. Yellow.

Fiery Feather. Red and pink shades.

Each, pkt. 25 cts., 1/8oz. \$1, 1/4oz. \$1.50

Celosia Thompsoni magnifica

2 1/2 ft.

Improved Strain of Feathered Cockscomb

Of pyramidal growth, and producing graceful, feathery plumes of the most magnificent shades.

Crimson	Yellow
Each, pkt. 15 cts., 1/4oz. \$1	

Mixed. Pkt. 10 cts., 1/4oz. 75 cts.

Celosia Childsi (Chinese Woolflower)

2 to 3 ft.

This is a unique form of the Feathered Cockscomb. Each branch is terminated with a large head of flowers that seem to be made out of some silky wool material. Very effective for beds, borders, or cut-flowers.

Crimson. Very rich color.

Pink	Yellow	Fine Mixed
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Each, pkt. 15 cts., 1/4oz. \$1, oz. \$3.50

Celosia pyramidalis, Pride of Castle Gould

2 to 3 ft.

A distinct type and surpassing by far anything yet on the market. The compact, pyramidal plants produce immense feathered heads of all colors: Blood-Red, Wine-Red, Scarlet, Carmine, Salmon, Orange, and Gold

Mixed Shades. Pkt. 25 cts., 1/8oz. \$1, 1/4oz. \$1.50.

CELSIA Arcturus (Bear's Tail). Ornamental perennial with yellow flowers. Grows 1 1/2 feet high. Pkt. 50 cts., 3 pkts. \$1.25.



Celosia cristata



Dusty Miller used as border



Centaurea montana



Centaurea imperialis



Cornflower, Jubilee Gem



Cheiranthus Allioni

CENTAUREAS

Popular annuals and perennials which will grow anywhere and are excellent cut-flowers.

Double Cornflowers

Centaurea Cyanus

Blue Bottle; Bachelor's Button; Bluet; Ragged Sailor

Seed may be sown outdoors in April, and several sowings will give a succession of bloom. Thin plants to stand 8 inches apart. These are improved annual varieties. 3 ft.

Blue Boy.	Snow Man. White.
Black Boy. Maroon.	Red Boy. Deep red.
Pinkie. Rose.	Mixed.

Each, pkt. 10 cts., 1/4oz. 25 cts., oz. 75 cts.
COLLECTION No. 27a: Pkt. each, above
5 colors, 50 cts.

Cornflower, Jubilee Gem. These double flowers of true cornflower-blue literally cover the plant. Jubilee Gem is an annual of the easiest garden culture. It is suitable also for flowering in the greenhouse. 1 ft. Pkt. 15 cts., 1/4oz. 60 cts., oz. \$2.

Lilac Lady. Described on page 10. Pkt. 25 cts., 1/4oz. 75 cts., oz. \$2.50.

Various Centaureas

Americana. Annual. Lilac; 4 ft. Flowers 4 inches across and of a deep lavender color. Excellent for garden decoration or cutting. Pkt. 10 cts., 1/4oz. 30 cts., oz. \$1.

Americana alba. Annual. White form of the above. Pkt. 15 cts., 1/4oz. 60 cts.

Dealbata. Perennial. Pink; 1 1/2 ft. Center of flower is red, margins pink or white. Pkt. 10 cts., 1/4oz. 50 cts., oz. \$1.50.

Macrocephala. Perennial. Yellow; 3 ft. Large, thistle-like, golden flowers, useful for cutting and fine for the hardy border. July, Aug. Pkt. 15 cts., 1/4oz. 75 cts.

Montana (Mountain Bluet). Perennial. Violet; 2 ft. Large flowers. July-Sept. Pkt. 10 cts., 1/4oz. 30 cts., oz. \$1.

Montana alba. Perennial. White form of above. Pkt. 15 cts., 1/4oz. 60 cts.

Lavender Beauty. See page 10. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

Giant Sweet Sultans

Centaurea imperialis

Annuals. Valuable for cutting purposes. Beautiful, deliciously sweet-scented fluffy flowers are borne on long, strong stems. Sow for succession from May until July. 2 1/2 ft.

White	Purple	Red
Pink	Lilac	Yellow

Mixed. A select mixture of above colors.

Each, pkt. 15 cts., 1/4oz. 50 cts.

COLLECTION: Pkt. each, above 5 colors, 75c.

Dusty Millers (*Centaurea*)

Perennials, treated as annuals. Foliage plants for edging. The glistening white, contrasted with the bright color of coleus, salvia or canna, is very striking.

Candidissima. Foliage lanced and silver coated. Pkt. 15 cts., 1/4oz. 75 cts., oz. \$2.50.

Gymnocarpa. Fern-like leaves, and taller. Pkt. 10 cts., 1/4oz. 30 cts., oz. \$1.

CHEIRANTHUS. Biennial and perennial sorts, blooming first year.

Allioni (Siberian Wallflower). Orange; 1 1/2 ft. Early-flowering perennials for the rock-garden or as a dwarf border plant.

Will bloom throughout the summer if seed-pods are removed. May be sown in a hot-bed in March and transplanted outdoors in May; or in the open ground in September, where required to flower the following spring. Pkt. 10 cts., 1/4oz. 30 cts., oz. \$1.

Allioni, Golden Bedder. Golden; 1 1/2 ft. Deep yellow flowers larger than the type. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

Kewensis (Greenhouse Wallflower). 2 1/2 ft. Valuable, half-hardy, hybrid Wallflower for growing under glass. The flowers are light yellow on opening and change to mauve when more mature. Pkt. 25 cts., 1/4oz. \$1, oz. \$3.50.

Linifolius. Mauve; 1 ft. For rock-gardens. Pkt. 15 cts., 1/4oz. 60 cts., oz. \$2.

CHELONE (Turtlehead). Perennial. Decorative plant for the hardy border; the long panicles which bear the small two-lipped tubular florets are good for cutting. 4 ft.

Barbata coccinea. Red; 3 ft.

Barbata Torreyi. Coral-red; 3 ft. Each, pkt. 10 cts., 1/4oz. 50 cts.

Barbata Hybrids, Mixed. Shades of pink, rose, carmine, and violet. Pkt. 10 cts., 1/4oz. 30 cts., oz. \$1.

WE OFFER A COLLECTION

of six packets of seed of those **HARDY PERENNIALS** that are delightfully **FRAGRANT**. Price 75 cts.

ANNUAL CHRYSANTHEMUMS

Mostly single, daisy-like flowers with a colored ring at the base of the florets and a purple center. Good for flower-beds, and excellent for cutting, they average around 2 ft. in height and bloom from July to October.

Eldorado. Large, single, deep yellow flowers with a ring of reddish brown.

Burridgeanum (Beaconsfield). White petals, zone of rich brownish red and yellow.

Chameleon. The colors vary, but generally are brown and yellow.

Eastern Star. Clear yellow petals with dark disc.

Evening Star. Yellow petals, dark disc.

Morning Star. Petals canary-yellow, with a halo of deeper yellow, disc darker.

Northern Star. Flowers 3 inches in diameter; white, with yellow-brown center.

The Sultan. Rich wallflower-red with a narrow yellow zone around the brown disc.

Each, pkt. 10 cts., 1/4oz. 30 cts., oz. \$1

COLLECTION: Pkt. each, above 8 colors, 60 cts.

Yellowstone. Yellow. Fine double and semi-double flowers in ten weeks from sowing. Pkt. 15 cts., 1/4oz. 60 cts., oz. \$2.

Golden Queen. Double; golden yellow. Pkt. 10 cts., 1/4oz. 30 cts., oz. \$1.

White Queen. White. Double flowers. Pkt. 10 cts., 1/4oz. 30 cts., oz. \$1.

BLAZE. Perfectly formed, large daisy-like flowers of clear fiery red with a vermillion tinge. Pkt. 35 cts., 3 pkts. \$1, 1/4oz. \$1.50.

GOLDEN CROWN. 3-4 ft. Fine deep yellow fully double flowers. Ideal for cut-bloom. Pkt. 25 cts., 1/4oz. 75 cts., oz. \$2.50.

Single Mixed **Double Mixed**

Each, pkt. 10 cts., 1/4oz. 25 cts., oz. 75 cts.

PERENNIAL CHRYSANTHEMUMS

Mawi. Pink; 1 ft. Flowers 2 inches across. Silvery foliage. Ideal for the hardy border or rockery. Pkt. 50 cts., 3 pkts. \$1.25.

Double Anemone-flowered. Mixed colors; 2 ft. Many of the flowers measure 2 to 3 inches across and about 30 per cent are double. Greenhouse subject, and valuable outdoors when sown under glass in February. Pkt. 25 cts., 5 pkts. \$1, 1/4oz. \$1.50.

Korean Chrysanthemums. Mixture of single brilliant flowers; many are large. 2 ft. Pkt. 50 cts., 3 pkts. \$1.25.

September Jewels. See page 10. Raiser's original pkt. 60 cts.

White Shasta Daisies

Mrs. C. Lothian Bell. Flowers have been produced 6 inches across. A month later than the variety, Alaska, hence the two sorts may be planted for a succession of bloom. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

Alaska. Popular variety with flowers frequently 5 inches across; white, with broad, overlapping petals. Pkt. 15 cts., 1/4oz. 50c.

Dwarf Avalanche. A low-growing white Daisy for the front of the hardy border. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

Giant Double. An assortment of doubles, semi-doubles, and a type which, though single, forms curiously shaped flowers, with laciniated, curled, and quilled white florets. Pkt. 50 cts., 3 pkts. \$1.25.

CIMICIFUGA cordifolia. White; 6 ft. Striking tall perennial for the back of the border; it bears spikes of small flowers in Sept., Oct. Pkt. 50 cts., 3 pkts. \$1.25.

CINERARIA

Greenhouse Annual. Daisy-like blooms in most brilliant colors are produced in clusters in great profusion. Sow May-Sept. and endeavor to secure as sturdy a growth as possible. Transfer direct from seed-pans to thumb-pots; place in coldframe facing north. As pots become full of roots, shift to larger ones until flowering size is reached.

Cremers Prize Strain. Flowers are large and color-range exceptionally fine. The florets are wide, and they overlap well to form attractive heads. Smaller leaves than those of the old type. Exceptionally resistant to wilt. Pkt. \$2, 3 pkts. \$5.

California Super-Giants

Prize Cinerarias, grown for us by a famous specialist. Produce numerous individual flowers, exceeding 5 inches in diameter, with florets 1 to 1 1/4 in. wide, on large trusses.

Blue Shades. **Salmon Shades.**
Crimson and Carmine Shades. Especially brilliant under artificial light.

Mixed. All the above in pleasing proportion.

S. & W. Co.'s Stellata. Has delicate, star-like blooms in great profusion on long stems. **Tall and Dwarf Mixed.**

Multiflora nana, Potsdam. An extra-choice, dwarf-growing strain with the plants completely covered with brightly colored flowers.

Cerulea. Sky-blue. **Rose.**
Azurea. Dark blue. **Mixed.**
Crimson.

Matador. A new large-flowering, deep scarlet; adds brilliance to a collection.

Above Cinerarias, pkt. 50 cts., 3 pkts. \$1.25

CLARKIA

Annual plants of simple culture with showy flowers in leafy spikes. For the border or flower-bed, but they must have plenty of sun; a useful greenhouse plant also. 1 1/2 ft.

Dazzler. New bright orange-scarlet sort. Pkt. 25 cts., 1/4oz. \$1, oz. \$3.50.

Albatross. The flowers are pure white, very double, and appear in July. Pkt. 15 cts., 1/4oz. 35 cts., oz. \$1.25.

Glorious. Dark foliage capped by brilliant cherry-scarlet blossoms. Pkt. 25 cts., 1/4oz. \$1.

May Blossom. Pure glowing rose, deepening to pink. Free flowering, with enormous blossoms. Pkt. 15 cts., 1/4oz. 35 cts.

Double Sorts

Salmon Queen. **Scarlet King.**
Brilliant King. **Crimson.** **White King.**
Purple King.

Each, pkt. 10 cts., 1/4oz. 30 cts., oz. \$1

COLLECTION: Pkt. each, above 4 colors, 35c.

Mixed. Pkt. 10 cts., 1/4oz. 25 cts., oz. 75 cts.

CLEOME gigantea (Spider Flower). Annual. Pink; 3 ft. Singular-looking flowers. The stamens seem like spiders' legs. Sow seed outdoors in May and thin to 2 feet. Pkt. 10 cts., 1/4oz. 50 cts., oz. \$1.50.

Golden. See p. 10. Pkt. 25 cts., 1/4oz. \$1.50.

CLERODENDRON fallax. Greenhouse Perennial. Bright red; 4 ft. Large blooms. Pkt. 50 cts., 3 pkts. \$1.25.

CLIANthus Dampieri (Glory Pea). Excellent greenhouse basket plant, with gray-green foliage and brilliant scarlet and black flowers. Pkt. 50 cts., 3 pkts. \$1.25.



Chrysanthemum, Golden Crown



Shasta Daisies



Cineraria, S. & W. Co.'s Stellata



Cosmos, Crested

CLINTONIA pulchella. Annual with blue flowers for shaded spots outdoors or hanging-baskets. 10 in. Pkt. 35 cts., 3 pkts. \$1.

COBÆA (Cup-and-Saucer Vine). *Annual Climber.* A rapid grower, attaining a height of 30 to 50 feet during the season. Start the seed indoors in March or outdoors in May. **Scandens.** Large bell-shaped purple flowers. Pkt. 10 cts., 1/4oz. 35 cts., oz. \$1.25.

Scandens alba. White flowers. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

COLEUS thyrsoides. Conservatory flowering plant with light blue flowers and green foliage. May reach 3 ft. Pkt. \$1, 3 pkts. \$2.50.

Rainbow Hybrids. Bedding foliage plant with leaves of all colors; in mixture. Pkt. 50 cts., 3 pkts. \$1.25.

COLLINSIA, Salmon Beauty. *Annual.* Bright, cheerful, bell-shaped, salmon-colored blossoms. Sow in the open ground in early spring. 1 ft. Good bedding plant. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

COLUMNÆA. Hanging-basket plants for the greenhouse. Scarlet and gold tubular flowers on 2 1/2-ft. branches.

Gloriosa. Brown foliage.

Hirta. Green foliage.

Each, pkt. 75 cts., 3 pkts. \$2

COMMELINA coelestis (Day Flower). Greenhouse plant from Mexico. Deep blue 1-inch flowers in leafy cymes. 1 1/2 ft. Pkt. 25 cts., 5 pkts. \$1.

COOPERIA pedunculata (Rain Lily; Prairie Lily). Fragrant white flowers, tinged with red, open at night. A tender bulbous plant needing the same treatment as tuberose. Pkt. 50 cts., 3 pkts. \$1.25.

CORAL FLOWER. See page 10. Pkt. 35 cts.

CORYDALIS Cheilanthesifolia. Perennial with yellow flowers. Ideal for the rock-garden. Fernlike leaves. 8 in. Pkt. 50 cts., 3 pkts. \$1.25.

COSMIDIUM, Crown of Gold. *Annual.* This will make an interesting bed. Daisy-like, orange and yellow flowers. Sow in a sunny position where the plant is to grow, thin to 6 in. or more apart. Height 1 ft.; flowering period June-Oct. Pkt. 10 cts., 1/4oz. 30 cts., oz. \$1.

COTYLEDON simplicifolia. Perennial for the rock-garden. Bright trailing spikes of tiny golden bells afford a brilliant effect in June and July. Protect it with peat moss over winter. Pkt. 50 cts., 3 pkts. \$1.25.

Charming Cosmos

Annual. Cosmos is one of the most decorative of our garden flowers, and is of great value for cut-bloom. Sow about May 1, outdoors, covering the seed 1/4 inch, and thin out or transplant to not less than 1 1/2 feet apart. Sow under glass in April or May for earlier bloom.

Early Orange Flare. 2 ft. Orange flowers with light green foliage. The stems are long and wiry, well adapted for cutting. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

Early Express Type

A modern quick-growing strain that reaches a height of about 2 1/2 feet and bears fine large flowers on long stems within 45 days of sowing seed.

Crimson Express **Pink Express**
White Express **Mixed Express**
Each, pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50

COLLECTION: Pkt. each, above 3 colors, with Early Orange Flare, 50 cts.

Sensation Type

A new, early, large Cosmos. Its mammoth flowers are 4 to 5 inches across, with wide, fluted florets. Height, 4 feet; it flowers in the exceptionally short period of 10 weeks from seed.

Pinkie. Beautiful pink. Pkt. 25 cts., 1/4oz. 75 cts., oz. \$2.50.

Purity. Pure white. Pkt. 25 cts., 1/4oz. 75 cts., oz. \$2.50.

Sensation, Crimson. Pkt. 25 cts., 1/4oz. \$1, oz. \$3.50.

Sensation, Single, Mixed. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

Sensation, Double, Mixed. Pkt. 35 cts., 3 pkts. \$1.

Early Dwarf, New Double-crested Type (Beauty)

The Extra-early Double strain of Cosmos has been very much improved in this crested type. Flowers are large, and they come into bloom as early as the Early Single sorts.

Pink Beauty **Crimson Beauty**
White Beauty **Mixed Beauty**

Each, pkt. 25 cts., 1/4oz. \$1, oz. \$3.50

COLLECTION: Pkt. each, above 3 colors, 60c.

Late Single Tall Cosmos

This type of Cosmos, which has mammoth flowers, blooms late in the summer.

White **Crimson**
Pink **Mixed**

Each, pkt. 10 cts., 1/4oz. 25 cts., oz. 75 cts.

COLLECTION: Pkt. each, above 3 colors, 25c.

Lady Lenox. 3 ft. Giant flowers of beautiful deep rosy pink.

Lady Lenox, White. White form of above. Each, pkt. 10 cts., 1/4oz. 30 cts., oz. \$1

Late Double Tall Cosmos

This strain has been greatly improved in size of flower and general vigor.

Pink **Crimson**
White **Mixed**

Each, pkt. 15 cts., 1/4oz. 75 cts., oz. \$2.50

COLLECTION: Pkt. each, above 3 colors, 30c.



Cuphea, Firefly

CRUCIANELLA stylosa (Crosswort). Perennial, with globe-shaped clusters of pink flowers. Splendid for a partly shaded rock-garden. 9 in. Pkt. 25 cts., 5 pkts. \$1.

CYCLAMEN (Giant-flowering)

Greenhouse plants; one hardy sort. The following varieties are European-grown and were developed by one of the greatest specialists in this excellent pot-plant. Seed is usually sown in the autumn.

Dark Blood-Red **Bright Red**
Soft Rose, Carmine Eye **Pure Rose**
White, Carmine Eye **Pure White**

Pkt. of 10 seeds 35 cts., 50 seeds \$1.50,
100 seeds \$2.50

Bonfire. Brilliant salmon.

Salmon-Scarlet (America Improved).

New Salmon-Rose Improved.

Salmon color, dark (Glory of Wandsbek).

Salmon color, light (Rose of Zehlendorf).

Orange Beauty. Orange-vermilion. Extra.

Rokoko erecta, Mixed.

Morning Red. **Saffron-Red.**

Saffron-Red, Silver edged.

Striata, Mixed. **Lavender.**

New Ruffled, Mixed.

Pink Pearl. (Novelty.) Salmon-pink.

Pkt. of 10 seeds 50 cts., 50 seeds \$2,
100 seeds \$3.50

Mixed. All varieties. Pkt. of 10 seeds 25 cts., 50 seeds \$1, 100 seeds \$1.75.

Hardy Cyclamen (Europaum)

For the Rock-Garden and Perennial Border

Stiles' Strain of Long-Island-grown seed produces hardy little plants of this ever-blooming and almost evergreen subject. The bright red flowers are fragrant and are on scapes 4 to 5 inches high. Seed should be sown in spring or late summer. The plants should be in partial shade. Seeds slow to germinate. Pkt. 50 cts., 3 pkts. \$1.25.

CUPHEA platycentra (Cigar Plant). *Treat as an Annual.* Pretty, half-hardy plant, a great favorite for bedding, with tube-shaped, scarlet and black flowers. Pkt. 25 cts., 5 pkts. \$1.

Firefly. Compact and spreading, about 1 foot high. The flowers are fluted and their color is a deep rosy scarlet, deepening to almost purple at the center. The plants bloom in about five months from the time seed is sown. Pkt. 25 cts., 5 pkts. \$1.



Cynoglossum amabile

DAHLIA

Tender Perennial; treat as an Annual. Ideal for cut-bloom and the dwarfier types make striking flower-beds. Seed is best sown in March under glass, although flowers may be obtained in late summer by sowing outdoors in May.

Dwarf Types

Dwarf Bedding, Mixed. 2 ft. Bloom in less than four months after sowing seed, and embrace a most charming color-range, no two plants being exactly alike. In the main, their form is semi-double. They may be planted 18 to 20 inches apart, and will flower from June to first frost. Pkt. 25 cts., 1/8oz. \$1, 1/4oz. \$1.50, oz. \$5.

Coltness Hybrids. 1 1/2 ft. Neat compact plants with single flowers and comprising a beautiful range of colors. Pkt. 15 cts., 1/4oz. 75 cts., oz. \$2.50.

Starfish (Orchid-flowered). 2 ft. The florets of this single Dahlia are crimped and twisted, giving a star-like effect, and its long stems make it excellent for cutting. Pkt. 35 cts., 1/8oz. \$1, 1/4oz. \$1.50.

Yellow Prince. See page 11. Pkt. 50 cts., 3 pkts. \$1.25.

Miniature Types. See page 11. Pkt. 50 cts., 3 pkts. \$1.25, 1/8oz. \$2, 1/4oz. \$3.50.

Tall Dahlias

Familiar types. To be certain of definite colors it is necessary to plant *roots* of named varieties. See pages 86 to 90.

Giant Peony-flowered, Mixed. Saved from finest blooms. Pkt. 35 cts., 3 pkts. \$1.

Cactus, Mixed. Saved from a choice collection. Pkt. 50 cts., 3 pkts. \$1.25.

Double-flowering Exhibition Strain, Mixed. Saved from fine Show sorts. Pkt. 50 cts., 1/4oz. \$1.25, oz. \$4.

Giant Exhibition Type. See page 11. 50 seeds \$2, 100 seeds \$3.50, 1000 seeds \$30.

DATURA cornucopia (Trumpet Flower). *Annual.* The delightfully fragrant flowers average 8 inches long by 5 inches across and are French white inside and purple outside. Ideal for the white garden. Pkt. 10 cts., 1/4oz. 30 cts., oz. \$1.

CYNOGLOSSUM amabile (Chinese Forget-me-not; Hound's-Tongue). *Annual.* A highly perfumed plant with myosotis-like blue flowers, 1/4 inch long. Of easy culture, suitable for bedding and cut-flowers. 20 in. **Blue.** Pkt. 10 cts., 1/4oz. 30 cts., oz. \$1. **Pink.** Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50. **Firmament.** See page 10. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

CYPRESS VINE (*Ipomoea Quamoclit*). *Annual Climber.* Covers a fence or tree stump with delicate fern-like foliage and masses of star-shaped flowers 1 1/2 inches long. Sow outdoors in May. 15 ft.

Crimson	Rose
White	Mixed
Each, pkt. 10 cts., 1/4oz. 25 cts., oz. 75 cts.	

CYPERUS alternifolius (Umbrella Palm). Useful aquarium, pool and pot-plant. Tender perennial. 3 ft. Pkt. 25 cts., 5 pkts. \$1.

DAISY. See *Agathæa*, *Arctotis*, *Bellis*, *Brachycome*, *Chrysanthemum*, *Dimorphotheca*, *Erigeron*, *Felicia*, *Gerbera*, *Pyrethrum*, *Tahoka Daisy*.



Delphinium, Gold Medal Hybrids

Stately Delphiniums

Exceeding 6 feet in height, these striking perennials are necessary for every hardy border, producing magnificent spikes of flowers in July and August. By cutting off the stems and leaves after blooming, they may be induced to yield a second crop of flowers in the autumn. In sections where mildew is serious, many growers treat Delphinium as an annual by sowing seed under glass in mid-winter, planting out in spring.

GOLD MEDAL HYBRIDS

Immense spikes in a variety of colors. Recommended to the specialist grower.

Delft Blue Shades. True mid-blues, including Cambridge-blue.

Royal Art Tints. A mixture of lavenders, mauves, and blue-grays.

Salon Blue Shades. Rich dark blue shades.

Wave Crest Blue Shades. Delicate and charming mixture of pale and light blues.

Each, pkt. 50 cts., 1/8oz. \$1.50, 1/4oz. \$2.50

COLLECTION: Pkt. each, above 4 shades, \$1.50

GOLD MEDAL HYBRIDS, Mixed. This Mixture includes all the best colors. Pkt. 25 cts., 1/8oz. \$1, 1/4oz. \$1.50.

The Mildew-Resistant Giant Pacific Hybrid Delphiniums

Larger, finer, and resistant to mildew (except white). The 2-inch florets on large spikes make them excellent for exhibition.

Black Knight Series. Very dark blues.

Cameliard Series. Lavender selfs.

Galahad Series. White.

Above 3, pkt. \$1.50, 3 pkts. \$4

Blue Jay. Blue, gray overtone; dark bee.

Clear White. Glistening white.

Guinevere Series. Pink-lavender; white bee.

King Arthur. Royal violet; white bee.

Lancelot Series. Lilac; white bee.

Summer Skies. Light blue; white bee.

Round Table Series. Noble mixture.

Above 7, pkt. \$1, 3 pkts. \$2.50

Lavender Shades	Light Violet Shades
Lavender Pastel	Dark Violet Shades
Shades	

Above 4, pkt. 75 cts., 3 pkts. \$2

Light Blue Shades **Medium Blue Shades**

Dark Blue Shades **Mixture of Blues**

Above 4, pkt. 50 cts., 3 pkts. \$1.25

English Hybrids, Mixed

Giant-flowering Type. Mixture of sorts like Harry Smetham, Joan, Millicent Blackmore, Smoke of War, Lorenzo de Medici, Statuaire Rude, etc. Pkt. (about 200 seeds) 50 cts., 3 pkts. \$1.25.

Wrexham or Hollyhock Type. This mixture contains the following varieties: Cambria, Great Strides, The Bishop, Wales, Jenny Jones, Norah Phillips, etc. Pkt. (about 200 seeds) 50 cts., 3 pkts. \$1.25.

Some Other Fine Varieties

New Hollyhock Strain. 6 ft. A fine mixture of all light shades, pale clear blue predominating. Large flowers, truly double, are well placed on long, pyramidal spikes. Pkt. 35 cts., 1/8oz. \$1.50, 1/4oz. \$2.50.

Belladonna. 5 ft. This is the Everblooming Hardy Larkspur. Clear turquoise-blue flowers, unequaled for beauty. Pkt. 15 cts., 1/8oz. 60 cts., 1/4oz. \$1.

Clivedon Beauty (Improved Belladonna). Bright blue; 5 ft. Larger flowers and a stronger plant are the advantages of this strain. Pkt. 25 cts., 1/8oz. \$1, 1/4oz. \$1.50.

Bellamosa. Blue; 5 ft. Similar to the above except in color which is a darker blue. Pkt. 15 cts., 1/4oz. 60 cts., oz. \$2.

Cardinal. 2 1/2 ft. Beautiful cardinal-red. Pkt. 25 cts., 1/8oz. \$1, 1/4oz. \$1.50.

Chinese, Blue Butterfly. Blue; 1 1/2 ft. Fine feathery foliage, and many spikes of large blossoms of intense gentian-blue. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

Chinese, Cambridge Blue. 2 1/2 ft. Clear, rich light blue. Excellent for mass planting or for cut-bloom. Pkt. 25 cts., 1/8oz. 60 cts., 1/4oz. \$1.

Chinense album. 3 ft. White form. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

Nudicaule, Lemon Gem. Yellow; 1 1/2 ft. Fine light color. Pkt. 25 cts., 5 pkts. \$1.



Dianthus, Loveliness



Dianthus, New Blue

Jewel-Like Dianthus • Pinks

Seed of annual varieties is sown in spring, and flowers are produced in a few weeks' time, continuing until frost. They average 1 foot in height and are splendid for borders and for cutting. Many are fragrant.

Hardy sorts are sown in spring or summer. Most will bloom the same season, and more freely the second year.

Many Dianthus are delightfully fragrant; all are excellent for cut-flower purposes, and for beautiful flower-beds they are brilliant and unusual.

Double Annual Pinks

- Chinensis** (China Pink). Double flowers in a mixture of colors. Pkt. 10c., 1/4oz. 25c.
- Diadematus** (Double Diadem Pink). Various tints of lilac, crimson, purple; outer edges fringed. Pkt. 10 cts., 1/4oz. 30 cts.
- Fireball**. Extra double; brilliant dark scarlet. Very beautiful. Pkt. 10 cts., 1/4oz. 35 cts.
- Heddewigi fl.-pl.** (Double Japan Pink). Varies from richest crimson to delicate rose. Pkt. 10 cts., 1/4oz. 30 cts.
- Laciniatus fl.-pl.** (Double Fringed Pink). Great variety of colors; edges fringed. Large. Pkt. 10 cts., 1/4oz. 35 cts.
- Lucifer**. Brilliant orange-scarlet, fringed flowers about 2 inches across. Very dazzling. Pkt. 10 cts., 1/4oz. 50 cts.
- Salmon King**. Brilliant salmon-rose. Pkt. 10 cts., 1/4oz. 50 cts.
- Snowball**. 1 ft. Splendid for cutting. Excellent for beds or borders. Large, double, white flowers. Pkt. 10 cts., 1/4oz. 35 cts.
- Violet Queen**. Rich violet—rather unusual shade. Pkt. 10 cts., 1/4oz. 35 cts.

Single Annual Pinks

- Crimson Belle**. 1 ft. Rich crimson. Pkt. 10 cts., 1/4oz. 25 cts.
- Eastern Queen**. Delicately marbled rose and mauve flowers. Pkt. 10 cts., 1/4oz. 25c.
- Heddewigi punctatus** (Princess Pink). The flowers remind one of Old-World chintz. Pkt. 10 cts., 1/4oz. 35 cts.
- Laciniatus** (Single Fringed Pink). A great variety of colors. Pkt. 10 cts., 1/4oz. 25 cts.
- Queen of Holland**. Beautiful white. Pkt. 15 cts., 1/4oz. 75 cts.
- Salmon Queen**. Fringed flowers of brilliant salmon. Pkt. 10 cts., 1/4oz. 35 cts.
- Vesuvius**. Orange-scarlet flowers. Striking in beds or borders. Pkt. 10c., 1/4oz. 30c.
- Mixed**. Annual Sorts. Pkt. 10 cts., 1/4oz. 35 cts., oz. \$1.25.

COLLECTION: Pkt. each, 10 choice Dianthus, 5 named Double and 5 Single sorts, 75 cts.

Hardy Garden Pinks

Many of these are famous introductions by Allwood Bros. of England, famed specialists.

New Blue. Believed to be the only blue Dianthus in the world. It is lavender-blue, of a beautiful, bright, pleasing shade. The individual flowers are small, but are borne profusely in 9-inch trusses from July to September. Allwoods' sealed pkt. 50 cts.

Allwoodi Alpinus. A new race of dwarf, hardy perennials for the rock-garden, blooming from spring to near winter, in a beautiful mixture of all colors. Allwoods' sealed pkt. 50 cts.

Delight. 9 in. Blooms June to October, producing a profusion of flowers about half an inch in diameter. It has a range of color running from palest pink to the deepest purple and velvety rich reds. Allwoods' sealed pkt. 50 cts.

Loveliness. Two-inch, perfumed, mauve, lacerated flowers. Blooms in seven months from seed. Allwoods' sealed pkt. 50 cts.

Rainbow Loveliness. A mixture of colors. See page 11. Allwoods' sealed pkt. 50 cts.

Highland Hybrids, Mixed. Ideal for rock-gardens and for the front of the hardy border. Practically perpetual flowering and the colors are very varied. Pkt. 25 cts., 5 pkts. \$1, 1/4oz. \$1.50.

Sweet Wivelsfield. Ordinarily is sown in July to flower the following year; if sown indoors during February, however, it will bloom the same year. Fringed, sweet-william-like flowers from July to frost.

Single, Mixed. U. S.-grown seed, pkt. 10 cts., 1/4oz. 35 cts., oz. \$1.25. Allwoods' sealed pkt. 50 cts.

Double, Mixed. U. S.-grown seed, pkt. 25 cts., 1/4oz. \$1, oz. \$3.50. Allwoods' sealed pkt. 50 cts.

Little Jock. 6 to 8 in. A mixture of pink, rose, and white shades, mostly with a deep zone. Suitable for the rock-garden or as an edging. Pkt. 50 cts., 3 pkts. \$1.25.

Hardy Garden Pinks, continued

Allwoodi. Combines the qualities of the Carnation with the delicious clove scent of the Pink. Adaptable for gardens, and pot-culture in conservatories.

Single Mixed. U. S.-grown seed, pkt. 25c., 5 pkts. \$1, Allwoods' sealed pkt. 50c.

Double Mixed. Allwoods' sealed pkt. 50c.

Deltoides (Maiden Pink). 6 in. Rosy purple. A matting plant which is invaluable for the rock-garden. Pkt. 10 cts., 1/4oz. 50 cts., oz. \$1.50.

Plumarius, Double Mixed (Grass Pink). 1 ft. Fringed, fragrant flowers of white, crimson, or purple shades, spotted and variegated. Pkt. 15c., 1/4oz. 60c., oz. \$2.

Plumarius, Single Mixed. Large, fragrant, fringed flowers. Pkt. 10 cts., 1/4oz. 30 cts., oz. \$1.

Scotch or Florists' Pinks, Mixed. Flowers profusely during spring and early summer. The perfumed flowers are large, single, fringed. All colors. Pkt. 25 cts., 1/8oz. \$1, 1/4oz. \$1.50, oz. \$5.

Rock-Garden Rare Species, Mixed. A selection of low-growing types, suitable for the rock- or wall-garden. Pkt. 25 cts., 1/8oz. 60 cts., 1/4oz. \$1.

DIANTHUS Knappi (Yellow Dianthus). 20 in. Perennial. Yellow blossoms in bunches. Pkt. 50 cts., 3 pkts. \$1.25.

DIASCIA Barberae (Twinspur). Annual. 1 ft. Dainty, spurred flowers, 3/8 inch in diameter and of a soft salmon-rose, are freely produced in sprays on wiry stems. Interesting for the front of the annual border. Pkt. 25 cts., 1/8oz. \$1, 1/4oz. \$1.50.

DICENTRA eximia (Fringed Bleeding-Heart). Description will be found on page 99. Pkt. 25 cts., 5 pkts. \$1.

DICTAMNUS (Dittany; Burning Bush; Gas Plant). Perennial. Beautiful plant for the hardy border, with a lemon perfume and flowers on terminal racemes which are excellent for cutting. Gas exuded from the plant will ignite for the moment if a light be held near the top during a still evening.

Fraxinella alba. 2 1/2 ft. White flowers; June and July. Pkt. 15 cts., 2 pkts. 25 cts.

Fraxinella rubra. Pink, otherwise same as above. Pkt. 15 cts., 2 pkts. 25 cts.

Like *Primula obconica*, this plant irritates the skin of persons allergic to it. Use gloves when handling the cut blooms unless you know it does not affect you.

DIDISCUS cœrulea (Queen Anne's Lace). Upright annual about 2 feet high. Each branch ends in an umbrella-shaped head of sky-blue flowers. Easily grown and a splendid cut-flower. Sow in May; water freely when dry. Pkt. 15 cts., 1/4oz. 50 cts.

DIGITALIS (Foxglove). Tall perennials with long racemes of tubular flowers. Ideal for naturalizing, amid shrubbery, along the edges of woods, etc. They grow well under all conditions, including partial shade, flowering in June and July.

Giant Shirley, Mixed. 6 ft. Huge spikes of bloom ranging in color from the purest white to dark rose, handsomely spotted and blotched. Pkt. 15 cts., 1/4oz. 75 cts.

Gloxiniæflora. 4 ft. Improved strain of the ordinary Foxglove, with handsome, spotted gloxinia-like flowers on long spikes.

Alba. White.

Rosea. Rose.

Purpurea. Purple.

Lutea. Yellow.

Mixed. Each, pkt. 10 cts., 1/4oz. 50 cts., oz. \$1.50

Monstrosa, Mixed. 3 ft. Long spikes surmounted by one enormous flower. Pkt. 15 cts., 1/4oz. 75 cts., oz. \$2.50.

The SAWCO GARDEN BARROW, with removable sides, works without noise, because it has a pneumatic-tired wheel The price is \$17.75

DIMORPHOTHECA (Cape Marigold; African Daisy). Bright annuals with daisy-like flowers which look especially well in flower-beds in full sun. 1 ft.

Orange Glory. Bright orange flowers 2½ inches across. Prostrate plants more compact than the type. Pkt. 35 cts., 3 pkts. \$1.

Aurantiaca Hybrids. Flowers large, varying from white through yellow and orange to salmon, many being zoned with several of these colors around the black disc. Pkt. 15 cts., ¼oz. 60 cts., oz. \$2.

Ringens, Single. Grayish white flowers with a blue center. Pkt. 15 cts., ¼oz. 75 cts., oz. \$2.50.

Aurantiaca. Bright golden orange flowers. Pkt. 10 cts., ¼oz. 50 cts., oz. \$1.50.

Salmon Beauty. Large flowers of a pleasing true salmon shade. Pkt. 15 cts., ¼oz. 60 cts., oz. \$2.

White Beauty. A white form of the above. Pkt. 15 cts., ¼oz. 60 cts., oz. \$2.

Spectabilis. See page 11. Pkt. 25 cts., ½oz. 60 cts., ¼oz. \$1.

DODECATHEON Meadia (Shooting-Star; American Cowslip). Six-inch perennial for the shaded part of your rock-garden. Small, pink, primrose-shaped flowers. Pkt. 50 cts., 3 pkts. \$1.25.

DOLICHOS (Hyacinth Bean). *Annual.* Rapid-growing climber. For covering arbors, trellises, etc. Sow the seed outdoors where the plants are to remain.

Daylight. White. Covered with spikes of pea-shaped blossoms from July until late fall. Pkt. 10 cts., oz. 30 cts.

Darkness. Purple. Identical with the above, except in color. Pkt. 10 cts., oz. 30c.

Lablab, Mixed. Pkt. 10 cts., oz. 30 cts.

DORONICUM (Leopard's-Bane). Useful perennials for the hardy border and valuable for cut-bloom.

Caucasicum. 2 ft. Handsome, yellow, daisy-like flowers, sometimes 2 to 3 inches across. Pkt. 35 cts., 3 pkts. \$1.

Pardalianches, Bunch of Gold. 2½ ft. Bright yellow flowers in May and June. Not available, due to war.

DRABA Haynoldi. Tiny yellow-flowered perennial for the rock-garden. Pkt. 50 cts., 3 pkts. \$1.25.

DRACÆNA (*Cordylina*). Tree-like, graceful, lance-leaved plants for greenhouse and conservatory decoration and for summer bedding.

Indivisa. Long, slender leaves.

Australis. Shorter leaves.

Each, pkt. 10 cts., ¼oz. 25 cts., oz. 75 cts.

DRACOCEPHALUM nutans (Dragon-head). *Perennial.* 1 ft. Purple-blue flowers in long spikes. June, July. Pkt. 25 cts., 5 pkts. \$1.

DRYAS octopetala. Carpeting perennial for the rock-garden or as a ground-cover. White flowers, 1½ inches across. Pkt. 35 cts., 3 pkts. \$1.

ECCREMOCARPUS scaber (Glory Flower). Climbing annual with racemes of orange-red flowers. Pkt. 35 cts., 3 pkts. \$1.

ECHINOCYSTIS lobata (Wild Cucumber Vine). *Annual Climber.* For covering arbors and fences. Clean, bright green foliage with sprays of white flowers during July and August. Pkt. 10 cts., oz. 35 cts.

ECHINOPS Ritro (Globe Thistle). *Perennial.* 3 to 5 ft. Striking plants with handsome, silvery, thistle-like foliage and fine steel-blue flowers in round heads. Pkt. 10 cts., ¼oz. 50 cts.



Dimorphotheca

ECHIUM (Tower of Jewels). Little bushes, 15 inches high, have flower-stems with individual florets, from June to August. Effective bedding plants and good for bees. Sow in the open ground in spring, or earlier indoors and transplant 9 inches apart.

Blue Bedder **Roseum Pink**
Each, pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50

EPILOBIUM angustifolium (Giant Willow-Herb; Fire-weed; Rose-bay). Four-foot perennial with loose racemes of pinkish purple flowers. Pkt. 25 cts., 5 pkts. \$1.

EPIMEDIIUM macranthum. Rock-garden perennial with bicolor flowers; white and violet, with red sepals. For partial shade. Pkt. 50 cts., 3 pkts. \$1.25.

EREMURUS, Mixed (Desert-Candle; Fox-tail Lily). *Perennial,* needing winter mulch, with 4-foot cylindrical scapes of flowers. Excellent for the wild garden. Pkt. 50 cts., 3 pkts. \$1.25.

ERIGERON, Double Azure Beauty (Mid-summer Daisy). *Perennial.* Sky-blue; 2½ ft. The plants bloom so profusely that they are literally covered with double and semi-double flowers. Fine for cutting. Pkt. 50 cts., 3 pkts. \$1.25.

Speciosus. *Perennial.* Clear mauve; 1½ ft. Daisy-like flowers, with bright golden yellow centers. Pkt. 25 cts., ½oz. \$1.25, ¼oz. \$2.

ERINUS alpinus. *Perennial.* Pale purple; 6 in. Dainty little rock-garden plants, growing in the crevices of stone walls, etc. **Alpinus, Magenta.** *Perennial.* 6 in. Brilliant magenta-red flowers.
Each, pkt. 25 cts., 5 pkts. \$1

ERODIUM gruinum (Heron's Bill). 1½ ft. Rock-garden or bedding annual with violet-blue flowers. Pkt. 35 cts., 3 pkts. \$1.

ERYNGIUM amethystinum (Sea-Holly). *Perennial.* 2 to 3 ft. Ornamental plants with finely cut, spiny foliage and beautiful, thistle-like heads of amethystine blue flowers. Fine for winter bouquets. Pkt. 15 cts., ½oz. \$1.

Planum. *Perennial.* 2 ft. Steel-blue flowers. Pkt. 10 cts., ¼oz. 30 cts.

ERYSIMUM, Orange Beauty (Hedge Mustard). *Annual.* 2 ft. Orange-yellow flowers a few weeks after seed is sown. Pkt. 10 cts., oz. 35 cts.

ERYTHRINA Crista-galli (Coral Tree). 3 ft. Greenhouse ornamental plant with loose racemes of crimson pea-flowers. Pkt. 50 cts., 3 pkts. \$1.25.



Eschscholtzia

ESCHSCHOLTZIA

California Poppy. Brilliant, easily grown annuals; ideal for flower-beds in full sun.

Golden Glory. 1 ft. Large, double orange flowers, lightening at the edges to golden yellow. Pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50.

Gloaming. Inside, the petals show a suffusion of deep rose and apricot on a yellow ground, while the outside is deep coral-rose. Pkt. 35 cts., 3 pkts. \$1.

Ramona Hybrids, Mixed. 1 ft. Ruffled flowers in a wide variety of colors. Pkt. 15 cts., ¼oz. 60 cts., oz. \$2.

Sweetheart. See page 11. Pkt. 15 cts., ¼oz. 60 cts., oz. \$2.

***Carmine King.** 15 in. Carmine-rose.

Fringed Yellow. Yellow, fringed petals.

***Geisha.** 15 in. Golden orange inside, orange-scarlet outside.

***Golden West.** Bright yellow, dark orange at the base of the petals.

Lovely. A lovely tone of bright rose-pink suffused with salmon.

Purple Glow. Reddish purple. The darkest shade obtained in Eschscholtzias so far.

***Scarlet Beauty.** 10 in. Petals deep scarlet inside, lighter on outside.

Tango. Bronze overlaid with terra-cotta.

***Vesuvius.** Rich glistening coppery red.

Choice Mixture. Covering all the colors in this pretty annual.

Each, pkt. 10 cts., ¼oz. 35 cts., oz. \$1.25, except as noted

COLLECTION: Pkt. each of varieties marked (*), with the Tulip Poppy (*Hunnemannia*) described on page 35 (6 varieties in all), 50 cts.

EUCALYPTUS citriodora. Australian tree which grows to great proportions in its habitat. Excellent for the cool greenhouse or summer bedding. Lemon-scented leaves. Pkt. 25 cts., 5 pkts. \$1.

Globulus (Blue Gum). Pkt. 15 cts., 2 pkts. 25 cts.

EUPATORIUM (Thoroughwort; Boneset). *Perennial.* Well suited for naturalizing and deserving a place in every hardy border.

Fraseri. 2 to 4 ft. Clusters of white flowers, fine for cutting and bouquets. Pkt. 15 cts., ½oz. 60 cts., ¼oz. \$1, oz. \$3.50.

Purpureum. 6 to 8 ft. Heads of purple-blue, daisy-like flowers from August to October. Pkt. 50 cts., ½oz. \$2, ¼oz. \$3.50.

Celestinum. Light mauve-blue flowers. Excellent border perennial. 2½ ft. Pkt. 35 cts., 3 pkts. \$1, ½oz. \$1.50, ¼oz. \$2.50.

EUPHORBIA (Spurge; Wolf's Milk). Plants with milky sap in the stem and leaves. Flowers are negligible, but the upper leaves, or bracts, are colored instead. Curious plants, and very showy for border planting.

Variegata (Snow-on-the-Mountain). Annual. 2 ft. Foliage marked with white. Pkt. 10 cts., 1/4oz. 25 cts., oz. 75 cts.

Heterophylla (Annual Poinsettia). Annual. 2 1/2 ft. Resembles in color the beautiful hothouse poinsettia, though smaller. Branching, bush-like plants, with smooth, glossy green leaves which turn to a beautiful orange-scarlet. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

Polychroma. Hardy Perennial. 1 ft. The yellow flower-leaves or bracts are most striking and are effective in April and May. Pkt. 35 cts., 3 pkts. \$1.

EXACUM affine atrocæruleum. 9 in. Useful annual for the conservatory or a sheltered sunny position outdoors. Numerous small, fragrant, dark lavender flowers. May be had in flower by July if sown in February. Pkt. 50 cts., 3 pkts. \$1.25.

FELICIA Bergeriana (Kingfisher Daisy; Blue Marguerite). Annual. 6 in. Leaves are grass-like, and the blue daisy flowers, with yellow centers, are 3/4 inch in diameter. Grown outdoors in summer or under glass at other times of the year. Pkt. 25 cts., 1/8oz. \$1.25.

FERN SPORES. Sow in mixed sand and peat. Keep shaded and moist, with a glass partly covering the flat. Pot off when large enough.

Hardy Sorts **Greenhouse Sorts**
Each, pkt. 50 cts., 3 pkts. \$1.25

FOUR O'CLOCK, Fine Mixed (*Mirabilis*; Marvel of Peru). Annual. Symmetrical bushes, 2 feet high, bearing red, yellow, or white flowers. Called Four o'Clock because they open their blossoms at that hour. All colors. Pkt. 10 cts., oz. 30 cts., 1/4lb. \$1.

FRANCOA ramosa. 3 ft. Perennial usually grown indoors. Sprays of white blooms for cut-flowers. Pkt. 35 cts., 3 pkts. \$1.

FUCHSIAS, Mixed. Greenhouse and Summer Bedding Plant. Interesting to sow seed, if you have a greenhouse, from January to March, and plant out in May. You will have flowers by July or August. This mixture contains white, lilac, pink, light and dark blue. Pkt. 50 cts., 3 pkts. \$1.25.



Four o'Clocks

GAILLARDIA • Blanket Flowers

Annual Varieties

Flowers are brilliant and daisy-like, borne in great profusion from July to November. They may be planted in beds, and as cut-flowers they are invaluable.

Amblyodon. 2 ft. Rich blood-red. Pkt. 10 cts., 1/4oz. 50 cts., oz. \$1.50.

Aurea. 2 ft. Rich yellow. Pkt. 10 cts., 1/4oz. 50 cts., oz. \$1.50.

Indian Chief. 2 ft. A fine bronze-red variety. Pkt. 15 cts., 1/4oz. 75 cts., oz. \$2.50.

Picta Lorenziana. 20 in. Mixture of various colors. The flowers are double. Pkt. 10 cts., 1/4oz. 50 cts., oz. \$1.50.

The Bride. 20 in. Yellowish white, very double and excellent for cutting. Pkt. 15 cts., 1/4oz. 60 cts., oz. \$2.

Perennial Varieties

Most may be treated as annuals. If sown early, they begin flowering in July, and continue until frost. Fine for cutting.

Mrs. Harold Longster. 3 ft. Large golden flowers, with crimson centers. Pkt. 50 cts., 3 pkts. \$1.25.

Burgundy. A new color—brilliant coppery scarlet self—and one that is of special value to the grower of cut-flowers for decoration. Pkt. 25 cts., 1/4oz. \$1, oz. \$3.50.

The Dazzler. Flowers very large, rich dark red, with a bright orange tip on the end of each floret. Pkt. 25 cts., 1/4oz. \$1, oz. \$3.50.

Goblin. 15 in. Begins to bloom in the middle of the summer when color is most needed. The plants are completely covered with bright yellow flowers which have a deep red zone. Pkt. 50 cts., 3 pkts. \$1.25.

Portola Hybrids. Enormous flowers and the color-range is fairly wide, centering around reddish bronze and gold. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

Tangerine. Medium-sized flowers of various shades of tangerine-orange. Both color and structure of the flower make it useful for modern decorations. Pkt. 25 cts., 1/4oz. \$1, oz. \$3.50.

Perennial Grandiflora Types

Chloe. 1 1/2 ft. Indian-yellow. Splendid European sort; highly recommended. Pkt. 15 cts., 1/4oz. 60 cts., oz. \$2.

Copper-Red. Center rich crimson, canary-yellow border, the effect being that of coppery red. Pkt. 15 cts., 2 pkts. 25 cts., 1/4oz. 75 cts.

Mr. Sherbrook. A grand variety with large round flowers of purest yellow, produced on long, strong stems. 2 ft. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

Giant Hybrids. Many flowers as large as sunflowers. Pkt. 25 cts., 1/4oz. \$1, oz. \$3.50.

GALEGA officinalis (Goat's Rue). 3 ft. Ornamental perennial with racemes of butterfly-shaped flowers.

Pink **White**

Each, pkt. 35 cts., 3 pkts. \$1

GAMOLEPIS Tagetes. Foot-high annual for the rock-garden, smothered with yellow daisy flowers. Pkt. 25 cts., 5 pkts. \$1.

GAURA Lindheimeri. 3 1/2 ft. Native perennial with spikes of white blooms, valuable for cutting. Pkt. 35 cts., 3 pkts. \$1.

GAZANIA hybrida. 1 ft. Greenhouse perennial that makes a charming summer bedding plant with its daisy flowers, yellow and orange, with a black center. Pkt. 60 cts., 3 pkts. \$1.50.

GENISTA, New Hybrids (Broom). Perennial. Broom is a shrub-like plant, and is so named because the branches are numerous, thin, rush-like and almost leafless. Butterfly-like flowers are a variety of colors—all shades of terra-cotta, crimson, orange and orange-scarlet, buff-pink and terra-cotta-pink. Patience is necessary with this seed, as germination will be slow. Thereafter it is so rampant a grower that the plant reaches 4 to 5 feet two years after sowing. Pkt. 50 cts., 3 pkts. \$1.25.

BLUE GENTIANAS (*Gentiana*). Perennial. Fine for the rock-garden or the mixed border, flowering from July to September, inclusive. Excellent also as pot-plants, and the commercial grower will find *Hascombensis* the more interesting from this standpoint. Outdoors they do best in semi-shade with plenty of moisture during summer. Sow under glass in late winter and transplant outdoors in spring, or sow in the open ground during spring or summer. Plants resulting from the earliest seeding may be expected to flower the first season.

Hascombensis. Blue; 2 ft. Flowers of this lovely new variety are about 1 1/2 inches across and are of various shades of blue. Pkt. 35 cts., 3 pkts. \$1.

Lagodechiana. Summer-flowering. Blue; 6 in. Dark green, leathery foliage is topped with clusters of flowers which are 1 1/2 inches across, and their color varies from delicate light blue to dark true Gentian-blue. Pkt. 50 cts., 3 pkts. \$1.25.

Acaulis. Blue; 4 in. Desirable hardy alpine plant. Pkt. 25 cts., 5 pkts. \$1.

GERANIUM (*Pelargonium*). Greenhouse and Summer Bedding Plant. Many a fine house Geranium may be obtained from seed. We offer an interesting mixture—reds, crimsons, pinks, and whites. Pkt. 25 cts., 1/8oz. \$1, 1/4oz. \$1.50.

GERBERA, Jamesoni Hybrids (Transvaal Daisy). Half-hardy Perennial. Daisy-like plants, slender and graceful. They are well-known greenhouse subjects, but capable also of being grown in the open ground if the protection of a coldframe or heavy mulch is given the plants over winter. Mixture embraces many pastel shades of red, cerise, salmon, orange, yellow, and white. Pkt. 50 cts., 3 pkts. \$1.25.

GESNERIA, Mixed. Tuberous greenhouse plant, with spikes of flowers of various shades from red through yellow to white. Pkt. 50 cts., 3 pkts. \$1.25.



Gaillardia, Annual

We Supply a **COLLECTION** of twelve packets of seed of the **Most Popular Annuals**, all of the simplest culture . . for \$1

GEUM (*Avens*). *Hardy Perennials*, especially valuable for cut-flowers.

Borisi. Orange-red; 1½ ft. Flowers produced almost continuously, commencing in July. Pkt. 35 cts., 3 pkts. \$1.

Double Orange Queen. Orange; 1½ ft. Color is midway between orange-scarlet and gold.

Fire Opal. Semi-double; orange-scarlet.

Dolly North. Semi-double; rich apricot.

Princess Juliana. Semi-double; large; orange.

Above 4, pkt. 25 cts., ¼oz. \$1.25, ¼oz. \$2

Lady Stratheden. Yellow; 1½ ft. Large; double; rich golden yellow. Pkt. 25 cts., ¼oz. 75 cts., ¼oz. \$1.25.

Mrs. Bradshaw. Scarlet; 1½ ft. Large; double; brilliant orange-scarlet. Pkt. 15 cts., ¼oz. 60 cts., ¼oz. \$1.

GILIA. *Annual.* 2 ft. Fine feathery foliage and globular heads of bloom about 1 inch across. The flowers last well when cut.

Capitata. Blue.

Micrantha, Fairy Star. Mixed pastel shades.

Each, pkt. 10 cts., ¼oz. 35 cts., oz. \$1.25

GILLENIA trifoliata (*Indian Physic*). 2½ ft. Native perennial for the wild garden, with panicles of white flowers. Pkt. 50 cts., 3 pkts. \$1.25.

GLAUCIUM tricolor (*Horned Poppy*; *Sea Poppy*). 3 ft. Large orange and black flowers. Treat as an annual. Pkt. 25 cts.

GLOBE AMARANTH (*Gompbrena*). 1½ ft. *Annual*; *Everlasting*. Good bedding plant. Brightly colored flowers resemble clover-heads and can be dried for winter.

Orange Rose White Purple Mixed

Each, pkt. 10 cts., ¼oz. 25 cts., oz. 75 cts.

GLOBULARIA trichosantha (*Globe Daisy*). Ten-inch rock-garden perennial; dark blue globular flowers. Pkt. 35 cts.

GLORIOSA superba (*Glory Lily*). Greenhouse climber with *Speciosum*-Lily-like flowers, 3 inches across, crimped, and red, yellow and white, with prominent anthers. Pkt. 50 cts., 3 pkts. \$1.25.

GLOXINIA, S. & W. Co.'s Large-flowered. *Greenhouse Plant.* About 9 in. These have been so well fixed that 40 per cent of the seedlings come true. The ground-color of the large, erect, and widely opened flowers is a velvety purple-crimson, with a rosy white throat. On the corolla appear more or less sharply defined bands, spots, and stripes, the latter mostly of a violet hue. Pkt. 50 cts., 3 pkts. \$1.25.

GNAPHALIUM Leontopodium (*Edelweiss*). *Perennial*; *Everlasting*. White woolly foliage. Sow early; keep cool and moist. Pkt. 25 cts.

GODETIA. *Annual.* Showy flowers in leafy racemes; splendid for bedding; also as a pot-plant for winter decoration.

Orange Glory. Cerise; 1 ft. The flower is a fiery orange-cerise, and a mass planting of it will produce a more brilliant effect than can be obtained by almost any other annual. Pkt. 35 cts., 3 pkts. \$1.

Purity. White; 2 ft. An upright, single, white sort. The extra-large flowers are beautifully frilled, making it a handsome garden subject, as well as an excellent cut-flower. Pkt. 25 cts., 5 pkts. \$1, ¼oz. \$1.50.

Kelveden Glory. Salmon; 1½ ft. The color is deep glowing salmon-orange. Pkt. 25 cts., ¼oz. 75 cts., oz. \$2.50.

Wild Rose. Pink; 1 ft. Pale pastel shade of rose, with a touch of carmine. So free flowering that the foliage is entirely hidden. Pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50.

Sybil Sherwood. Salmon-pink; 1½ ft. Remarkably free flowering, it is good as a pot-plant, for bedding, and for cut-bloom. Award of Merit, R. H. S., England. Pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50.

Azalea-flowered (*Carminea*). Pink; 15 in. Double flowers, marked darker. Pkt. 10 cts., ¼oz. 35 cts., oz. \$1.25.

Tall Double, Mixed. Average height 2 feet. Pkt. 10 cts., ¼oz. 25 cts., oz. 75 cts.

GOLDEN NUGGETS (*Eriophyllum cæspitosum*). 1 ft. Gray-green perennial with yellow flowers. Pkt. 50 cts., 3 pkts. \$1.25.

CURIOUS GOURDS. *Annual Climbers.* Rapid-growing and suitable for sowing around arbors, trellises, fencing, etc. Fruits are strangely shaped and quaintly marked and colored. The foliage is often curious. Grown for ornament, though one sort—the Malabar Melon—is edible.

LARGE FRUITS

Calabash Pipe

Caveman's Club

Dipper

Dish-Cloth (*Luffa*)

Giant Bottle

Giant Club (5 to 6

feet long)

Hercules' Club

Malabar Melon. Edible.

Mixed Gourds. All sorts.

Each, pkt. 10 cts., oz. 35 cts.

COLLECTION: Pkt. each, above 16 Ornamental Gourds, \$1.25

SMALL FRUITS

Apple

Miniature Bottle

White Egg

Orange

Pear (two colored)

Pear (striped)

Spoon

Turk's Turban

GREVILLEA robusta (*Silk Oak*). *Greenhouse Plant.* Graceful foliage plant, growing 3 to 5 feet high. Pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50.

GUNNERA manicata. *Perennial*; needs a mulch in the North. Enormous 5-foot hairy leaves. A mammoth, rhubarb-like plant for placing in moist soil, pond margins, etc. Pkt. 50 cts., 3 pkts. \$1.25.

GYPSOPHILA (*Baby's Breath*). *Annuals* and *Perennials*. Misty white panicles largely used for mixing with other cut-flowers.

Elegans grandiflora alba. *Annual.* White; 1½ ft. Improved, large-flowering, pure white form of *Baby's Breath*. Pkt. 10 cts., oz. 30 cts., ¼lb. \$1.

Elegans grandiflora rosea. *Annual.* Pink; 1½ ft. Delicate rose form of above. Pkt. 10 cts., oz. 30 cts., ¼lb. \$1.

Muralis. Pink; 10 in. An annual sort which forms mounds of green, studded with little flowers from early in the season till frost. Pkt. 15 cts., ¼oz. 60 cts., oz. \$2.

Paniculata. White; 3½ ft. Hardy perennial sort that blooms first year if sown early. Pkt. 10 cts., ¼oz. 30 cts., oz. \$1.

Paniculata fl.-pl. (*Double Baby's Breath*). *Perennial.* White; 3 ft. Fine for cutting. Pkt. 25 cts., ¼oz. \$1.

Pacifica. *Perennial.* Pink; 4 ft. Large flowers. Blooms after *Paniculata* sorts have passed. Pkt. 25 cts., ¼oz. \$1, ¼oz. \$1.50.

Acutifolia. *Hardy Perennial.* Lilac-pink; 4 ft. Large panicles of small flowers in July. Pkt. 15 cts., ¼oz. 60 cts.

Repens. White; 6 in. A dwarf, hardy perennial that is fine for rockwork. Pkt. 15 cts., ¼oz. 60 cts., oz. \$2.

Repens rosea. Pink. Pkt. 25 cts., ¼oz. \$1.

HELENIUM (*Sneezewort*). *Perennial.* Blooms very freely in late summer. Useful in the hardy border.

Autumale superbum. 4 ft. Golden yellow. Pkt. 25 cts., 5 pkts. \$1.

Bigelowi. 2½ ft. Light yellow. Pkt. 15 cts., ¼oz. 75 cts.

Riverton Gem. 2 ft. Wallflower-red. Pkt. 25 cts., ¼oz. \$1.

HELIANTHEMUM, Mixed (*Sun Rose*). *Perennial.* 1 ft. Beautiful subjects for the rock-garden. Colors include yellow, red, white, and pink. Pkt. 15 cts., ¼oz. 50 cts.



Double Godetia



Gourds



Annual Gypsophila



Helichrysum

HELICHRYSUM (Straw Flower). *Annual; Everlasting.* 2 1/2 ft. Best and most popular of winter-decoration flowers. While growing, the bright-colored chaffy blooms make a fine display in beds or borders. Allow 2 feet between plants. Double bright-colored flowers.

Rose Queen	Salmon Queen
Golden Ball	Violet Queen
Snowball	Mixed
Fireball	

Each, pkt. 10 cts., 1/4oz. 35 cts., oz. \$1.25

COLLECTION: Pkt. each, above 4 colors, 50c.

New Dwarf Hybrids. These new Straw Flowers are really compact and only 15 inches high. They make Everlastings valuable for bedding and for garden decoration.

White	Yellow	Rose
Salmon-Red		Mixed
Each, pkt. 15 cts., 1/4oz. 50 cts.		

COLLECTION: Pkt. each, above 4 colors, 50c.

HELIOPHILA leptophylla. *Annual.* 1 1/2 ft. For growing in pots and for summer bedding. Flowers clear bright blue with white centers. Pkt. 25 cts., 5 pkts. \$1.



These Double Mixed Hollyhocks are taller than their fair admirer

HELIANTHUS • Sunflower

Daisy-like blooms, the single types mostly with a large brown center disc; prized for cutting. Tall sorts used in the mixed border.

The following, except the last variety, are annuals. Sown in a sunny location in May, they bloom early and flower until frost.

Cut-and-Come-Again, Mixed. 5 ft. A mixture of the tall-growing, large-flowering types for cutting. Pkt. 10 cts., 1/4oz. 30 cts.

Cucumerifolius (Miniature Sunflower). 5 ft. Small, single, rich yellow flowers. An abundant bloomer. Pkt. 10 cts., 1/4oz. 30c.

Cucumerifolius, Stella. 5 ft. Larger. Golden yellow flowers with black centers. Pkt. 10 cts., 1/4oz. 30 cts.

Cucumerifolius, Orion. 5 ft. A fine variety with petals twisted like a cactus dahlia. Pkt. 10 cts., 1/4oz. 30 cts.

Cucumerifolius, Perkeo. 2 ft. A charming dwarf variety. The plants form compact bushes. Pkt. 10 cts., 1/4oz. 35 cts.

Cucumerifolius fl.-pl. 5 ft. Double form of the Miniature Sunflower. Bright golden yellow. Pkt. 10 cts., 1/4oz. 35 cts.

Dwarf Maroon Prince. 3 ft. The best red Sunflower. A dwarf type. Pkt. 15 cts., 1/4oz. 60 cts., oz. \$2.

Tall Red, Gaillardia-flowered. 6 ft. Mixture producing red or yellow-and-red flowers, mostly single, some semi-double. Pkt. 10 cts., 1/4oz. 30 cts., oz. \$1.

Dwarf Double (Globe of Gold). 4 ft. Dwarf; double; yellow. Pkt. 10c., 1/4oz. 30c.

Tall Double Chrysanthemum-flowered. 8 ft. Flowers large, double, rich saffron. Pkt. 10 cts., 1/4oz. 30 cts., oz. \$1.

Gigantic Russian. 9 ft. Large old-time Sunflowers. Oz. 10 cts., 1/4lb. 25 cts., 1/2lb. 40 cts., lb. 75 cts.

Dwarf Purple. See page 15. Pkt. 35 cts.

Perennial Sunflowers, Mixed. The best varieties carefully selected. Pkt. 25 cts.

HELIOPSIS scabra zinniaeflora (Hardy Zinnia). *Perennial.* 3 ft. Yellow flowers from June to September. Pkt. 15 cts., 1/4oz. 60 cts.

Pitcheriana (Orange Sunflower). *Perennial.* Yellow; 4 ft. Flowers cup-shaped, about 2 inches in diameter. Excellent for cutting. Pkt. 10 cts., 1/4oz. 50 cts.

FRAGRANT HELIOTROPE. *Perfumed Greenhouse or Bedding Plant.* Splendid outdoors or it can be trained as a greenhouse climber. Seed started indoors in spring will make fine plants for summer blooming. Can be sown outdoors in May. About 2 ft. **Marina.** New large-flowering type, and the most fragrant lavender-blue. Pkt. 25 cts., 1/4oz. \$1, oz. \$3.50.

Lemoine's Giant, Mixed. Flower-heads double the size of the old sorts.

Queen Marguerite. Large; dark blue.

White Lady. Largest white.

Above three, pkt. 15 cts., 1/4oz. \$1, oz. \$3.50

Mixed. Purple, violet, lilac, and white. Pkt. 10 cts., 1/4oz. 75 cts., oz. \$2.50.

HELIPTERUM Sanfordi. Foot-high annual with everlasting flowers having yellow centers, surrounded by yellowish green bracts. Pkt. 35 cts., 3 pkts. \$1.

HELLEBORUS hybridus (Christmas Rose). *Perennial* 18 inches high for moist, shaded places, blooming at the end of winter. Greenish flowers, tinted white and other light colors. Seeds slow to germinate. Pkt. 50 cts., 3 pkts. \$1.25.

HELONIAS bullata (Swamp-Pink). Nine-inch perennial for a shaded rock- or bog-garden; good pot-plant also. Two-foot racemes of pink flowers. Pkt. 50 cts., 3 pkts. \$1.25.

HERACLEUM giganteum. *Perennial.* White; 6 ft. A giant plant, useful for the wild garden, for large open spaces, or on lawns where a bold and striking object is desired. Pkt. 10 cts., 1/4oz. 25 cts., oz. 75c.

HESPERIS matronalis (Sweet Rocket). *Perennial.* The plants form large clumps 2 to 3 feet high, covered with showy spikes of flowers resembling stocks.

Red

Each, pkt. 10 cts., 1/4oz. 30 cts., oz. \$1

HEUCHERA (Alum Root; Coral Bells). *Perennial.* Bushy plants of easy culture, growing 1 1/2 to 2 feet high, and bearing graceful spikes of flowers. Excellent for the border or rock-garden. July, Aug.

Sanguinea. Coral-red.

Sanguinea alba. White.

Sanguinea gracillima rosea. Carmine-rose.

Each, pkt. 25 cts., 5 pkts. \$1, 1/8oz. \$2, 1/4oz. \$3.50

HIERACIUM villosum (Shaggy Hawkweed). Rock-garden perennial, 18 inches tall, with bright yellow double-daisy flowers and silvery leaves. Pkt. 25 cts., 5 pkts. \$1.

HOLLYHOCK

Perennial. One of the most popular of hardy garden plants. The beautiful color effects produced by the planting of these flowers, combined with their dignified and stately appearance, render them indispensable for either the old-fashioned garden or the well-planned herbaceous border. As the plants are affected with rust occasionally, we recommend spraying with an approved fungicide. 6 to 9 ft.

Double Orange Prince. The flowers are large and of a brilliant apricot-orange hue. Gives a beautiful effect in a planting. Pkt. 25 cts., 1/8oz. \$1, 1/4oz. \$1.50, oz. \$5.

Double Exquisite. Large blooms are beautifully fringed and frilled or deeply dentate, and their colors are charming. **Mixed.** A fine selection of colors. Pkt. 25 cts., 1/8oz. \$1, 1/4oz. \$1.50, oz. \$5.

Haile Selassie. See page 11. Pkt. 25 cts., 5 pkts. \$1.

Chater's Superb Double

Chamois	Salmon-Rose
Deep Rose	Scarlet
Maroon	Sulphur-Yellow
Newport Pink	Superb Mixed
Pure White	

Each, pkt. 15 cts., 2 pkts. 25 cts., 1/4oz. 60 cts., oz. \$2

S. & W. Co.'s Double Mixed. An excellent strain. Selected with great care from the strongest plants and brightest colors. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

S. & W. Co.'s Superb Single

Apricot	Pink	White
Chamois	Rose	Yellow
Maroon	Scarlet	Mixed
Mauve		

Each, pkt. 10 cts., 1/4oz. 35 cts., oz. \$1.25

Annual Hollyhock, Indian Spring. Produces a main flower-spike twenty weeks after sowing. It has semi-double and double fringed flowers in several beautiful shades of pink. Grows 4 to 5 feet the first season. Pkt. 15 cts., 1/4oz. 75 cts., oz. \$2.50.

Kill Thousands of Japanese Beetles and warn many more away from your plants, with the new BEETLE DUST, 75 cts. per can. Use it either as a dust or spray.

HIBISCUS (Marshmallow). *Annuals and Perennials*. Showy, ornamental plants for beds or borders. Will bloom first year.

Trionum. *Annual*. 2 ft. The 4-inch trumpet-shaped blossoms are whitish with a suffusion of violet. Flowers in fifteen weeks. Pkt. 10 cts., 1/4oz. 30 cts., oz. \$1.

Golden Bowl. *Perennial*. 2 ft. Giant yellow, cup-like flowers with velvety maroon centers, from 6 to 9 inches in diameter. Pkt. 10 cts., 1/4oz. 50 cts., oz. \$1.50.

Giant-flowering Type. *Perennial*. 5 ft. Flowers are 6 inches in diameter, trumpet-shaped, with dark centers.

Red **Pink**
White, with Crimson Eye **Mixed**

Each, pkt. 10 cts., 1/4oz. 30 cts., oz. \$1

HONESTY (Moonwort). *Biennial. Everlasting*. 2 ft. Purple flowers followed by silvery seed-pouches, which are used for house ornament. Sow seed in open in May and protect over winter—approximately the same culture as the English wallflower. Pkt. 15 cts., 1/4oz. 60 cts.

HORMINUM pyrenaicum. *Perennial*. 1 ft. For the rock-garden or for edging, with bluish purple flowers. Pkt. 25 cts., 5 pkts. \$1.

HOUSTONIA cœrulea (Bluets). *Perennial*. 6 in. Native plant for the rock-garden, with violet, blue, or white flowers, each with yellow eye. Pkt. 25 cts., 5 pkts. \$1.

HUMEA elegans. *Biennial*. 6 ft. For the conservatory, porch, or border. Small daisy flowers, red or pink, in pendent clusters. Pkt. 35 cts., 3 pkts. \$1.

HUMULUS (Japan Hop). *Annual Climber*. Grows 20 to 30 feet in four months. Its luxuriant foliage makes it one of the best plants for covering verandas, trellises, etc.

Japonicus. Pkt. 10 cts., 1/4oz. 25 cts., oz. 75 cts.

Variegatus. Variegated variety. Pkt. 10 cts., 1/4oz. 35 cts., oz. \$1.25.

HUNNEMANNIA (Tulip Poppy; Santa Barbara Poppy). *Annual*. Sow in the open ground around May 1 in the New York area, or earlier under glass in pots or on upturned turves, transplanting these when danger of frost is over. A sunny position in a well-drained border suits it.

Fumariæfolia. Large, buttercup-yellow, poppy-like blossoms. The plants grow about 2 feet high, are quite bushy, with beautiful, feathery, glaucous foliage. Pkt. 10 cts., 1/4oz. 30 cts., oz. \$1.

Sunlite. 2 ft. A semi-double form that develops a band of short petals on the outside of the tulip-shaped cup, giving it the appearance of an open flower at all times. The color is a clear canary-yellow. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

HYPERICUM polyphyllum (St. John's-Wort). *Perennial*. 4 in. Large, golden yellow flowers and almost evergreen foliage. For the rock-garden. Pkt. 25 cts.

Tomentosum. *Perennial*. 2 ft. Loose bouquets of golden star-like blooms. Pkt. 50 cts., 3 pkts. \$1.25.

IMPATIENS. *Greenhouse and Summer Bedding Plants*. Desirable pot-plants for the greenhouse, also valuable for planting out in partial shade. Profuse and continuous bloomers.

Sultani. 1 1/2 ft. Flowers are brilliant carmine, 1 1/2 inches in diameter.

Holsti Hybrids, Mixed. 1 1/2 ft. Orange, scarlet, red, pink, and white flowers that measure 1 1/4 to 1 1/2 inches across.

Each, pkt. 25 cts., 5 pkts. \$1

Pink Butterfly. See page 11. Pkt. 25 cts., 5 pkts. \$1.

IPOMOEAS

Morning-Glories; Convolvulus

Annual Climbers. For covering walls, trellises, arbors, or stumps of trees.

Mixed Imperial Japanese (Emperor Morning-Glory). May be sown in the open ground in a sunny situation when the weather has become warm. Flowers are of gigantic size and their colorings beyond description. Pkt. 10c., oz. 35c., 1/4lb. \$1.25.

Tall or Climbing Convolvulus, Mixed. Pkt. 10 cts., oz. 30 cts.

Dwarf Bedding Convolvulus, Mixed. Pkt. 10 cts., oz. 30 cts.

Rose Marie. Rose-pink, double and semi-double flowers. Pkt. 15 cts., 1/2oz. 40 cts., oz. 75 cts.

Bona-nox (Evening-Glory). Rosy lilac flowers, expanding in the evening. Very rapid grower. Pkt. 10 cts., oz. 30 cts.

Hederacea grandiflora. Sky-blue flowers, margined white. Pkt. 10 cts., oz. 50 cts.

Hederacea grandiflora alba. White. Pkt. 10 cts., oz. 50 cts.

Leari. Dark blue. Pkt. 25 cts., 5 pkts. \$1.

Mexicana alba (Moonflower). At night and during dull days the plants are covered with an abundance of large, pure white flowers having a delicate fragrance. Pkt. 10 cts., oz. 35 cts.

Following shown on page 51:

Heavenly Blue **Scarlett O'Hara**

Each, pkt. 20 cts., 1/2oz. 60 cts., oz. \$1, 1/4lb. \$3.50

Setosa (Brazilian Morning-Glory). Flowers of pleasing rose-color, borne very freely in large clusters from August to frost. Pkt. 15 cts., oz. 50 cts., 1/4lb. \$1.50.

Royal Ensign. See page 11. Pkt. 35 cts.

INCARVILLEA Delavayi. *Perennial*. 2 1/2 ft.

Large-leaved plant. The flowers, on long stems, are bright rose, tube-shaped, and appear almost like gloxinias. June to Aug.

Variabilis Hybrids. *Perennial*. The tube-shaped flowers are white and various shades of pink and yellow.

Each, pkt. 25 cts., 5 pkts. \$1

INULA Royleana. *Perennial*. Useful for cutting, and effective as a border subject. Bright orange-yellow, daisy-like flowers. Pkt. 50 cts., 3 pkts. \$1.25.

IONOPSIDIUM acaule (Diamond Flower). *Annual*. Matting plant for the greenhouse, or outdoors in a sheltered position. Grows only 4 inches, and has white or violet flowers. Pkt. 25 cts., 5 pkts. \$1.

IRISH BELLFLOWER. See page 11. Pkt. 25 cts., 1/4oz. \$1.50.

JACARANDA mimosifolia. *Greenhouse Plant*. Fern-like leaves and blue flowers in panicles. Pkt. 35 cts., 3 pkts. \$1.

KALANCHOE coccinea. Succulent plant with scarlet flowers. Sown in February or March, grown in the open during summer, and brought inside, it blooms a year after sowing. Pkt. 35 cts., 3 pkts. \$1.

KALE, Decorative. Edible vegetable with densely curled leaves. Some plants are yellow, others golden, purple, red and other colors. Pkt. 25 cts., 5 pkts. \$1.

KAULFUSSIA amelloides (Charieis). *Annual*. 1 ft. Blue, daisy-flowers 3/4 inch across. Pkt. 25 cts., 5 pkts. \$1.

KOCHIA trichophylla (Summer Cypress; Mexican Firebush). *Annual*. 2 1/2 ft. Pyramidal bush with feathery, light green foliage, deepening as the season advances to a crimson hue about September. Pkt. 10 cts., 1/4oz. 25 cts., oz. 75 cts.



Ipomœa, Rose Marie



Hunnemannia fumariæfolia



Hibiscus

LACHENALIA suaveolens (Cape Cowslip). Bulbous plant for the greenhouse, with racemes of red tubular flowers; fragrant. 6 in. Pkt. 35 cts., 3 pkts. \$1.

LALLEMANTIA canescens. Biennial. For the rock-garden or flower-beds. Tubular blue flowers. Pkt. 35 cts., 3 pkts. \$1.

LANTANA, Mixed. Greenhouse and Summer Bedding Plant. Blooms constantly. The flowers are borne in verberna-like heads of orange, white, rose, etc. The colors change as the flower ages. Pkt. 25 cts., 1/4oz. \$1, oz. \$3.50.

LASTHENIA californica. Annual. 1 1/2 ft. Long-stemmed heads of small, yellow, daisy-like flowers. Pkt. 25 cts., 5 pkts. \$1.

LATHYRUS (Everlasting or Hardy Sweet Pea). Perennial Climber. 6 to 8 ft. The flowers are borne in large clusters. Climbs over rocks, fences, and bushes. Splendid cut-flower.

White Pink Beauty Red Mixed
Each, pkt. 10 cts., 1/2oz. 25 cts., oz. 40 cts.

LAVATERA trimestris (Mallow). Annual. 2 ft. Beautiful and showy plant, covered with large, cup-shaped, salmon-pink flowers. Pkt. 10 cts., 1/4oz. 50 cts.

LAVENDER, Munstead Strain. Perennial. 2 ft. The best type of this well-known fragrant plant. Pkt. 25 cts., 1/8oz. 75 cts., 1/4oz. \$1.25.

LAYIA elegans (Tidy Tips). Annual. 1 ft. Large, yellow, daisy-like flowers, bordered cream. Pkt. 15 cts., 1/4oz. 75 cts.

LEPTOSIPHON aureus. Annual. 1 ft. Bears leafy clusters of yellow flowers. Pkt. 25 cts., 5 pkts. \$1.

LEPTOSYNE. Annual. Sow in the open and allow the plants to stand 1 foot apart; or sow earlier under glass and transplant. **Golden Rosette**. 1 1/2 ft. Double, daisy-like blooms are bright yellow. Pkt. 50 cts., 3 pkts. \$1.25.

Maritima. 1 1/2 ft. Large, yellow flowers. Pkt. 15 cts., 1/4oz. 50 cts.

Stillmani. 1 ft. Golden yellow flowers. Splendid cut-flower. Blooms in six weeks. Pkt. 15 cts., 1/4oz. 50 cts.

LEUCOCORYNE ixioides (Glory of the Sun). 1 1/2 ft. Greenhouse bulbous plant with large, fragrant, blue flowers with white centers. Good cut-bloom. Pkt. 50 cts., 3 pkts. \$1.25.



Lantana

Brilliant Larkspurs

Annual plants with long sprays of spurred flowers. Seeds sown in the open ground before the close of April will produce flowering plants by the beginning of July, and give a continuous succession of flowers from then until frost. They make handsome beds and are very effective among shrubs.

La France. 2 1/2 to 3 ft. Fine variety with beautiful double pure bright salmon flowers closely placed on the long but solid spike. Pkt. 10 cts., 1/4oz. 35 cts., oz. \$1.25.

Giant Imperial Sorts

Plants of giant proportions with the habit of the Delphinium. Height up to 4 ft.

White King. The finest white variety. Handsome flowers of glistening purity.

Carmin King. Beautiful shade of deep carmine-rose.

Coral King. Blush-pink, suffused with coral. The large double florets are borne on 2 to 2 1/2-foot stems.

***Dazzler**. Vivid, lustrous carmine in color, and in bloom ten days earlier than most.

***Exquisite Pink Improved**. The delightful shade of pink meets exactly the florists' requirements.

Gloria. A rich tone of deep rose, with no trace of carmine.

Lilac Queen. Color is a rich lilac, shading to lavender-blue. Popular for home decoration and essential for the florist.

Peach Blossom. Light pink with salmon trace.

***Sweet Lavender**. A delightful shade of rich lavender-blue.

***White Spire**. A new, dazzling, pure white, double Larkspur.

***Blue Spire**. Similar to above, except color is deep Oxford blue.

Lilac Spire. Beautiful shade of lilac so popular in Larkspurs.

Mixed Giant Imperial Larkspurs.

Each, pkt. 15 cts., 1/4oz. 60 cts., oz. \$2
COLLECTION: 5 varieties marked (*), 60 cts.

Following described on page 11:

Pink King. Pkt. 25 cts., 1/8oz. 75 cts., 1/4oz. \$1.25.

Montrose Rosalind

Each, pkt. 15 cts., 1/4oz. 60 cts., oz. \$2.

Tall, Stock-flowered, Mixed. Pkt. 10 cts., 1/4oz. 30 cts., oz. \$1.

S. & W. Co.'s Emperor

This dwarf stock-flowered type of Annual Larkspur is of candelabra habit. 2 ft.

Azure-Blue **Pink Delight** (Soft
Brilliant Carmine rose)

Enchantress (Pink) **Violet**
Mixed **White** (Pure)

Each, pkt. 10 cts., 1/4oz. 30 cts., oz. \$1

COLLECTION: Pkt. each, above 6 colors, 50c.

LEWISIA Howelli. Perennial. Forms a mat 3 inches high, and throws up stems 6 inches long, crowned with flowers of apricot streaked with rose. For a sunny rock-garden. Pkt. 35 cts., 3 pkts. \$1.

LIATRIS pycnostachya (Blazing Star; Gayfeather). Perennial. 3 to 4 ft. Purple and rosy purple flowers are borne on long spikes. July-Sept. Pkt. 25 cts., 1/4oz. \$1.
Scariosa alba. 3 ft. Stout racemes of pure white flowers. Imposing in the border. Pkt. 50 cts., 3 pkts. \$1.25, 1/8oz. \$2.



Linaria

LILIES from seed. Most Lilies will produce flowers the second year from seed; treat them like other hardy perennials.

Candidum. Salonika variety.

Dalmaticum Hybrids.

Longiflorum (Easter Lily).

Martagon Hybrids (Turk's-Cap Lily).

Philippinense formosanum (Hardy Easter Lily). Blooms in July.

Tenuifolium (Coral Lily).

Washingtonianum (Washington Lily).

Each, pkt. 50 cts., 3 pkts. \$1.25

Regale (The Royal Lily). Pkt. 10 cts., 1/4oz. 35 cts., oz. \$1.25.

LIMNANTHES Douglassi (Meadow-Foam). Annual. 1 ft. The fragrant white flowers are 1 inch across and are produced in early summer. Pkt. 25 cts., 5 pkts. \$1.

LINARIA maroccana, Fairy Bouquet

Mixture. Annual. The very compact plants bear large flowers, in rose, yellow, pink, lavender, carmine, red, violet, white, and salmon. Excellent for bedding or for pots. Pkt. 15 cts., 1/4oz. \$1, oz. \$3.50.

Cymbalaria (Kenilworth Ivy; Mother of Thousands). Perennial Climber. Lavender and purple. A charming, hardy trailer plant, suitable for pots or rockeries. Pkt. 15 cts., 2 pkts. 25 cts.

LINUM grandiflorum rubrum. Annual. 1 ft. Showy bedding plants having brilliant scarlet flowers. Pkt. 10 cts., 1/4oz. 25 cts.
Perenne (Flax). Perennial. 1 1/2 ft. Bright blue. Pkt. 15 cts., 1/4oz. 35 cts., oz. \$1.25.
Perenne album. Perennial. 1 ft. White. Pkt. 15 cts., 1/4oz. 35 cts., oz. \$1.25.
Flavum. Perennial. 6 in. Yellow. Dwarf, compact type, especially valuable for the rock-garden. Pkt. 25 cts., 5 pkts. \$1.
Heavenly Blue. See page 12. Pkt. 50 cts., 3 pkts. \$1.25.

LION'S-EAR. See page 12. Pkt. 25 cts.

LISIANTHUS Russellianus. Greenhouse Plant. 20 in. Large deep purple flowers. Pkt. 50 cts., 3 pkts. \$1.25.

LITHOSPERMUM purpurea coeruleum. Trailing Evergreen Perennial. For the rock-garden. Deep blue flowers, striped purple. Pkt. 50 cts., 3 pkts. \$1.25.

LYTHRUM salicaria roseum superbum (Loosestrife). Perennial. 3 ft. Rose-colored flowers. July-Sept.

Salicaria, Crimson Dwarf. Perennial. 2 1/2 ft. Amaranth-purple.

Each, pkt. 15 cts., 2 pkts. 25 cts.

THE SENSITIVE PLANT

grows readily from seed IN ANY GARDEN. Touch a leaf and it collapses, as though the plant possessed intelligence 1/4oz. 30 cts.



Annual Bedding Lobelia

CHEERFUL LOBELIAS

Sow outdoors in early spring, and thin moderately; or transplant several inches apart. The annual varieties are useful for edging or carpet bedding; trailing sorts are good winter conservatory subjects.

ANNUAL BEDDING VARIETIES

- Cambridge Blue.** A light, bright blue type. Pkt. 25 cts., 5 pkts. \$1.
Crystal Palace Compacta. Deep blue. Dark foliage. Pkt. 15 cts., 1/8oz. 60 cts., 1/4oz. \$1.
Emperor William. Compact; sky-blue flowers. Pkt. 15 cts., 1/8oz. 60 cts., 1/4oz. \$1.
Mrs. Clibran Improved. Large, deep blue, white-eyed flowers. Compact plant. Pkt. 35 cts., 3 pkts. \$1.
Pumila splendens. Dark blue, with clear white eye. Compact. Pkt. 25 cts., 1/8oz. 75 cts., 1/4oz. \$1.25.
Pumila alba. Pure white. Pkt. 15 cts., 1/8oz. 60 cts., 1/4oz. \$1.
Tenuior compacta, Improved. 9 in. Large, dark blue, white-eyed flowers. Pkt. 15 cts., 1/8oz. 60 cts., 1/4oz. \$1.

ANNUAL TRAILING VARIETIES

- Barnard's Perpetual.** Deep blue with white eye. Pkt. 10 cts., 1/4oz. 50 cts.
Pendula, Sapphire. Deep blue with white eye. Pkt. 35 cts., 1/8oz. 75 cts.
Speciosa. Deep blue. Dark foliage. Pkt. 10 cts., 1/4oz. 50 cts., oz. \$1.50.

PERENNIAL RED SORTS

- Cardinalis** (Cardinal Flower). 3 ft. Scarlet. Green foliage. Pkt. 35 cts., 3 pkts. \$1.
Queen Victoria. 1 1/2 ft. Scarlet. Bronze foliage. Pkt. 50 cts., 3 pkts. \$1.25.

LYCHNIS (Catchfly; Campion). *Perennial.* Easily grown plants for massing in beds or borders, blooming first year from seed.

- Alpina.** 6 in. Splendid dwarf variety for rock-gardens. Rose-colored blooms in June. Pkt. 25 cts., 5 pkts. \$1.
Arkwrighti Hybrids, Mixed. 2 1/2 ft. Improved strain. All colors. Pkt. 15 cts., 1/8oz. 60 cts., 1/4oz. \$1.
Chalcedonica. Scarlet; 2 ft. Pkt. 10 cts., 1/4oz. 35 cts., oz. \$1.25.
Chalcedonica, Salmon Queen. Salmon; 2 ft. Pkt. 15 cts., 1/8oz. 60 cts., 1/4oz. \$1.
Haageana. Orange-scarlet; 2 ft. Pkt. 20 cts., 1/8oz. 75 cts., 1/4oz. \$1.25.
Viscaria splendens. Scarlet; 1 1/2 ft. Pkt. 10 cts., 1/4oz. 50 cts., oz. \$1.50.

LUPINUS • Lupine

Of easy culture and should be more generally grown. The annuals may be sown in the open in May; thin to 1 foot.

ANNUAL KING LUPINES

Plants grow 3 feet high and are base-branching, with six to eight huge spikes to a plant. For cut-flowers and forcing.

King Blue. Rich dark blue, with a pure white stripe in the standard of each flower.
King Light Blue. Large, fine sky-blue flowers.

King Heliotrope. Pretty flowers, striking in size, rosy purple, white stripe.

King White. Enormous, glistening pure white flowers.

Each, pkt. 15 cts., 1/2oz. 60 cts., oz. \$1

King Mixed. Contains the above colors and in addition sky-blue, heliotrope, and mid-blue. Pkt. 10 cts., 1/2oz. 40 cts., oz. 75 cts.

Attraction. Beautiful rose-pink standards, shaded gold. Pkt. 25 cts., 1/2oz. 75 cts., oz. \$1.25.

Yellow Fragrant. Very sweet-scented. Pkt. 10 cts., 1/2oz. 25 cts., oz. 40 cts.

Perennial Polyphyllus Lupines

Sow during summer to bloom from June to September of the following year, preferably where they are to flower, as they do not transplant well. Partly shaded, rich soil, free from lime, is advised.

We offer exclusively a 5-foot-high strain of exceptional merit, and one which includes many new and bright colors. The plants are robust and decidedly larger than the type.

Pink Shades White Blue Shades
Red Shades Mixed Hybrids
 Each, pkt. 25 cts., 1/4oz. \$1, oz. \$3.50

Golden Spire. The tall, stately spikes of rich golden yellow flowers make this subject a fitting companion to the blue types. Pkt. 25 cts., 1/4oz. \$1, oz. \$3.50.

Downer's Hybrids. A special strain of early Lupines. Flowers are large, with an exceptionally fine color-range. **Mixed.** Pkt. 25 cts., 1/4oz. \$1, oz. \$3.50.

Russell Lupines. Reselected Strain. Colors and combinations of color that have never before been seen; the size of the florets, their number on a spike, and the length of the spike are altogether sensational. Varies in height from 15 inches to 5 feet, but averaging 3 1/2 feet. **Reselected strain.** Pkt. 35 cts., 1/4oz. \$1, oz. \$3.50.

MALOPE grandiflora, Giant Crimson. *Annual.* 2 1/2 ft. Large hibiscus-like flowers. Pkt. 15 cts., 1/8oz. 40 cts., 1/4oz. 75 cts.

MALVA setosa, Mixed. *Perennial.* 6 ft. The mixture includes white, crimson, lilac, sulphur, and various shades of rose and pink. Not available, due to war.

Alcea (Hollyhock Mallow). *Perennial.* Pink; 5 ft. Pkt. 25 cts., 5 pkts. \$1.

MARTYNIA fragrans (Unicorn Plant). *Annual.* 1 1/2 ft. For the mixed border. Fragrant purple flowers. Pkt. 35 cts.

MATHIOLA bicornis (Evening-scented Stock). *Annual.* 1 ft. Flowers dull purplish lilac, but well worth growing for their fragrance released during the evening. Pkt. 10 cts., 1/4oz. 30 cts., oz. \$1.

MAURANDIA Barlaiana. Climber or basket-plant for the garden in warm weather, or in the greenhouse during winter. White, pink and blue flowers. Pkt. 25 cts., 5 pkts. \$1.

MATRICARIA eximia (Feverfew). *Treat as an Annual.* 15 in. Half-hardy perennial with double white flowers; excellent for cutting. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.
Golden Ball. *Treat as an Annual.* 1 ft. Compact-growing variety with golden yellow flowers. Excellent for bedding. Pkt. 25 cts., 1/4oz. \$1, oz. \$3.50.

MERTENSIA virginica (Virginia Bluebell). 2 ft. Beautiful blue and purple spring-blooming plant for the border.

Echinoides. 1 ft. Good rock-garden subject. Blue flowers.

Each, pkt. 35 cts., 3 pkts. \$1

MESEMBRYANTHEMUM crystallinum (Ice Plant). *Annual.* 8 in. Dwarf, trailing plants with pink flowers and glistening foliage. Pkt. 10 cts., 1/4oz. 30 cts., oz. \$1.

Criniflorum, Mixed (Livingstone Daisy). *Annual.* 3 in. Many attractive colors. Spreading plant. Pkt. 25 cts., 1/8oz. \$1.

Tricolor. *Annual.* 6 in. Branching plant with white, pink and purple daisy-like flowers. Pkt. 15 cts., 1/4oz. 75 cts.

MICHAUXIA campanuloides. 5 ft. Biennial for the mixed border, with white flowers, tinged purple. Pkt. 35 cts.

MICROSPERMA, Golden Tassel. 9 in. Dwarf, compact annual, in appearance suggestive of *Primula obconica*. Yellow, trumpet-shaped flowers, 2 inches across, and tassel-like stamens. A useful greenhouse plant also. Handle it carefully, for hairs on the foliage are sometimes irritating. Pkt. 75 cts., 3 pkts. \$2.

MIMOSA pudica (Sensitive Plant). *Greenhouse and Bedding Plant.* 2 ft. Curious plant, the leaves of which instantly close when touched. Small lavender flowers. Tender annual, easily grown in the garden. Pkt. 10 cts., 1/4oz. 30 cts., oz. \$1.

MIMULUS, Whitecroft Scarlet (Monkey Flower). *Half-hardy Annual.* 8 in. This comes true from seed. Orange-scarlet flowers cover the compact plant. Pkt. 50 cts.
Red Emperor. *Hardy Perennial.* 1 ft. A gem for the rock-garden, especially in moist, shaded spots. Bright crimson-scarlet flowers. Pkt. 35 cts., 3 pkts. \$1.

Moschatus (Musk Plant). *Annual.* 1 ft. Beautiful plant with almost transparent branches. Likes damp, shady situations. Musk-scented. Pkt. 25 cts.

Splendid Annual, Mixed. Pkt. 15 cts.



Lupinus polyphyllus

AFRICAN MARIGOLDS

Tall Double. 2½ ft.

Alldouble Lemon
Alldouble Orange

Each, pkt. 15 cts., ¼oz. 75 cts., oz. \$2.50

Mixed. Pkt. 10 cts., ¼oz. 25 cts., oz. 75 cts.

Collarette (Odorless). 2½ ft.

The centers of the 2½-inch blooms consist of short, quilled, curled florets, surrounded by a ring of flat florets.

Crown of Gold. Bright golden orange. Pkt. 10 cts., ¼oz. 35 cts., oz. \$1.25.

American Beauty (Chrysanthemum-flowered, Incurved). 3 ft.

American Beauty, Orange
American Beauty, Golden Orange
American Beauty, Yellow

Each, pkt. 25 cts., ¼oz. 75 cts., ¼oz. \$1.25

Gigantea. 3½ ft.

A remarkable new, sweet-scented, robust-growing, extremely large-flowered type, excellent for show purpose and garden.

Orange Sunset. Fine deep orange. Pkt. 15 cts., ¼oz. 50 cts., ¼oz. 75 cts., oz. \$2.50.

Sunset Giants. Rich mixture. Pkt. 10 cts., ¼oz. 50 cts., oz. \$1.50.

Dwarf Gigantea. 12-15 in.

Pot o'Gold. See page 12. Pkt. 35 cts., ½oz. \$1.50.

Chrysanthemum-flowered. 3 ft.

Early Sunshine. Bright yellow.

Golden Glow. Bright golden yellow. Odorless foliage.

Limelight. Light primrose-yellow.

Hybrids. Fine mixture of many varieties.

Each, pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50

Dwarf African. 12-15 in.

Little Giants, Orange. Pkt. 25 cts., ½oz. 75 cts., ¼oz. \$1.25.

Little Giants, Mixed. Pkt. 15 cts., ½oz. 60 cts., ¼oz. \$1.

Carnation-flowered. 2½ ft.

Yellow Supreme. Lemon-yellow.

Guinea Gold. Brilliant golden orange.

Dwarf Guinea Gold. 10 in. Similar to Guinea Gold except in height.

Each, pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50



Mignonette

Peony-flowered. 2½ ft.

Golden Supreme. Glowing gold.

Orange Supreme. Intense orange.

Each, pkt. 25 cts., ½oz. 60 cts., ¼oz. \$1

French Marigolds

Scabious-flowered

Double Harmony. 1 ft. Deep orange crest with maroon-brown collar of broad florets.

Orbit. 1 ft. Deep golden yellow; quilled center; reddish brown guard petals.

Ferdinand. 2 ft. Single golden yellow flowers, flecked mahogany-red.

Each, pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50

Dwarf Doubles

Royal Scot Alldouble. 1 ft. Rich mahogany and gold in uniform stripes.

Yellow Pygmy. 9 in. Blooms measuring less than an inch in diameter, light lemon-yellow.

Each, pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50

Robert Beist. 1 ft. Dark brownish maroon.

Golden Ball. 1 ft. Golden orange.

Lemon Ball. 1 ft. Lemon-yellow.

Mahogany. 1 ft. Velvety mahogany-brown.

Mixed. 1 ft. Contains all colors.

Each, pkt. 10 cts., ¼oz. 35 cts., oz. \$1.25

Dwarf Singles

Fire Cross. 1 ft. Deep orange, splashed and spotted with crimson.

Legion of Honor (Little Brownie). 9 in. Golden yellow, crimson blotch.

Each, pkt. 10 cts., ¼oz. 35 cts., oz. \$1.25

New Hybrids

Red and Gold Hybrids. 1½ ft. A striking sort for bedding or cut-flowers. Blooms are very double, and 2½ to 3 inches across. The color of some is red of a brilliance not seen hitherto in Marigolds; others are combinations of red and gold. Small pkt. 15 cts., large pkt. 35 cts., ½oz. \$2.

Winter Flowering. 2½ ft. For indoor growing. Outer florets are beautiful mahogany, with a large pin-cushion center of golden yellow, suffused mahogany. Pinch plants once when they are 8 to 10 inches high. Pkt. 50 cts., 3 pkts. \$1.25, 6 pkts. \$2.

The newest Marigolds are described on page 12, and some are illustrated in full color on page 18.

MIGNONETTE (Reseda). Annual. Well-known, sweet-scented flowers. At home in the greenhouse, garden, or sitting-room.

Red Monarch. 15 in. Deepest red sort. Flower-spikes are thick and heavy. Very sweet-scented. For outdoors and under glass. Pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50.

S. & W. Co.'s Triumph. 15 in. Recommended for winter forcing. In type similar to Allen's Defiance, except that spikes are more compact and larger in size. Pkt. 25 cts., ½oz. 60 cts., ¼oz. \$1.

Allen's Defiance. 1 ft. Large-flowering and deliciously fragrant. When grown under favorable conditions its spikes will be 12 inches long. The individual florets are of remarkable size, forming a graceful as well as compact spike. Pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50.

Golden Queen. 1 ft. Yellow-tinted flowers. Pkt. 10 cts., ¼oz. 25 cts., oz. 75 cts.

Machet. 10 in. Dwarf variety, with broad spikes of very fragrant red flowers. One of the best for either garden or pot-culture. Pkt. 10 cts., ¼oz. 30 cts., oz. \$1.

Improved Large-flowering. 1 ft. Pkt. 10 cts., ¼oz. 25 cts., oz. 75 cts.

MYOSOTIS • Forget-me-not

Perennial. Hardy with slight protection over winter. Seed may be sown in spring or summer. Alpestris sorts and Dissitiflora bloom in April; Palustris, May to fall.

Alpestris Varieties

Blue Ball. 10 in. New. Compact plant with deepest indigo flowers. For bedding and edging. Pkt. 35 cts., 3 pkts. \$1, ½oz. \$1.50.

Carmine King. 1 ft. Novelty sort with carmine-rose flowers which age to lilac-rose. Pkt. 50 cts., 3 pkts. \$1.25.

Lavender Gem. 8 in. New and distinct color—mid-lavender, free from rose or mauve. Pkt. 35 cts., 3 pkts. \$1.

Royal Blue. 9 in. Rich dark indigo-blue flowers. Pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50.

Robusta grandiflora. 10 in. Good heads of Forget-me-not-blue flowers. Pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50.

Victoria, Blue. 8 in. Clear azure-blue flowers. Plants bushy and compact.

Victoria, Pink. 8 in. Pink type of Forget-me-not. For the border and pot-culture.

Victoria, White. White form of above.

Each, pkt. 15 cts., ¼oz. 75 cts., except where noted

Mixed. A select mixture of Alpestris sorts. Pkt. 10 cts., ¼oz. 30 cts., oz. \$1.

Blue Spire. See page 12. Pkt. 50 cts., 3 pkts. \$1.25.

Dissitiflora. 1 ft. Large, blue flowers; adapted for beds of late-flowering tulips, etc. Pkt. 25 cts., ½oz. \$1.25, ¼oz. \$2.

Palustris semperflorens (Everblooming Forget-me-not). 1½ ft. Large, clear blue flowers. Pkt. 15 cts., ¼oz. 75 cts., oz. \$2.50.

Ruth Fischer. 1 ft. Large blue blooms up to ½ inch in diameter. Plants of exceptional value for pot-culture and spring bedding. Pkt. 25 cts., 5 pkts. \$1, ½oz. \$2.50, ¼oz. \$4.

Isolde Krotz. 10 in. Under favorable conditions, the individual blossoms are nearly an inch in diameter. For greenhouse use and the open. Pkt. 50 cts., 3 pkts. \$1.25.

MINA lobata. Annual Climber. Sow against a fence or stump in spring, and it trails 20 feet; from July on, it is covered with small, trumpet-shaped, red flowers. Pkt. 15 cts., ¼oz. 75 cts., oz. \$2.50.

MOMORDICA. Annual Climber. 15 to 20 ft. Large leaves make dense shade. Flowers followed by ornamental fruits.

Balsamina (Balsam Apple). Orange fruits. Pkt. 15 cts., oz. 50 cts.

Charantia (Balsam Pear). Coppery scarlet fruits. Pkt. 15 cts., oz. 50 cts.

MONARDA hybrida, Mixed (Bee Balm; Bergamot). Perennial. 3 ft. Aromatic plant with terminal clusters of striking flowers. We offer a fine mixture of salmon, rose, crimson, and scarlet. July–Sept. Pkt. 25 cts., ½oz. 60 cts., ¼oz. \$1.

MORICANDIA sonchifolia. 2 ft. Wall-flower-like annual with lavender-mauve flowers. Pkt. 35 cts., 3 pkts. \$1.

MUSA Ensete (Banana Tree). Greenhouse and Bedding Plant. Magnificent plant, for subtropical massing or as a single specimen. Seeds sown early indoors will produce plants 12 feet high the first season. Pkt. 25 cts., 25 seeds 75 cts., 100 seeds \$2.50.

MYOSOTIDEUM nobile (New Zealand Forget-me-not). Greenhouse Perennial. Needs partial shade. Blue myosotis-like flowers. Pkt. 50 cts., 3 pkts. \$1.25.



Nasturtium, Semi-dwarf or Gleam

NASTURTIIUMS

For ease of culture, duration of bloom, brilliancy of coloring, and general excellence, Nasturtiums are unexcelled. Given a sunny position there is a profusion of gorgeous blossoms all summer.

Dwarf or Globe Types

Double, fragrant flowers; compact plants, entirely without runners. Excellent for borders, edging, pots and flower-beds.

Salmon Globe	Scarlet Globe
Mahogany Globe	Orange Globe
Ruby Globe	
Each, pkt. 15 cts., oz. 50 cts., 1/4 lb. \$1.50, lb. \$5	
Golden Globe	Dwarf Globe Mixture
Above 2, pkt. 10 cts., oz. 25 cts., 1/4 lb. 75 cts., lb. \$2.50	

COLLECTION: Pkt. each, above 6 colors, 60c.

Semi-Dwarf or Gleam Types

Double, fragrant flowers; plants have short runners. Suitable for trailing in a rock-garden, and for cut-bloom.

Salmon Gleam	Scarlet Gleam
Mahogany Gleam	Orange Gleam
Moon Gleam (golden cream)	
Each, pkt. 15 cts., oz. 50 cts., 1/4 lb. \$1.50, lb. \$5	

Golden Gleam	Glorious Gleam Mixture
Above 2, pkt. 10 cts., oz. 25 cts., 1/4 lb. 75 cts., lb. \$2.50	

COLLECTION: Pkt. each, above 6 colors, 60c.

Tom Thumb or Bedding (Single)

Dwarf, Ivy-leaved, Mixed. Beautiful, green, ivy-like foliage; an effective setting for the lovely flowers. All colors. Pkt. 10 cts., oz. 25 cts., 1/4 lb. 75 cts., lb. \$2.50.

Dwarf, Variegated-leaved, Mixed. Good flowers and ornamental foliage. All colors. Pkt. 10 cts., oz. 25 cts., 1/4 lb. 75c., lb. \$2.50.

Large-flowered, Dwarf, Mixed. Pkt. 10 cts., oz. 20 cts., 1/4 lb. 60 cts., lb. \$2.

Tall or Climbing (Single) 6 to 10 ft.

Tall, Ivy-leaved, Mixed. Similar to Dwarf Ivy-leaved, but tall. Pkt. 10 cts., oz. 25 cts., 1/4 lb. 75 cts., lb. \$2.50.

Tall, Variegated-leaved, Mixed. Ornamental leaves; climbing. Pkt. 10 cts., oz. 25 cts., 1/4 lb. 75 cts., lb. \$2.50.

Large-flowered, Tall, Mixed. Pkt. 10 cts., oz. 20 cts., 1/4 lb. 60 cts., lb. \$2.

NEMESIA. Annual. Flowers are short tubes with broad, flattened lips. Brilliant bedding plants.

White Queen. 1 ft. When in flower, it is a perfect white pyramid. Pkt. 25 cts.

Orange, Cherry-Red, Rose, Scarlet, and Mixed.

Hybrid Blue Gem. 9 in. A dwarf variety, very suitable for borders.

Each, pkt. 15 cts., 1/4 oz. 25 cts., 1/2 oz. \$1.50

NEMOPHILA. Annual. 6 in. Splendid subjects for garden decoration. Bright flowers in shades of blue, white, and violet.

Insignis (Baby Blue-Eyes). Blue.

Insignis alba. White.

Maculata. White, spotted blue.

Atomaria. White, spotted black.

Discoidalis. Maroon and white.

Each, pkt. 15 cts., 1/4 oz. 50 cts., oz. \$1.50

Mixed. Pkt. 10 cts., 1/4 oz. 30 cts., oz. \$1.

NEPETA Mussini (Ground Ivy). Perennial. 1 1/2 ft. Branching and somewhat spreading plant with clusters of charming blue flowers open in May and June. Pkt. 25 cts., 1/2 oz. 60 cts., 1/4 oz. \$1.

NICANDRA Physalodes (Shoo-fly Plant; Apple-of-Peru). 4 ft. Easily grown old-time ornamental annual with pale blue bell-flowers, followed by a fruit enclosed in the chaffy calyx. Pkt. 25 cts., 5 pkts. \$1.

NICOTIANA • Scented Tobacco

Easily grown annuals with broad hairy leaves and tall spikes of fragrant, narrow, flat-lipped trumpet flowers.

Crimson Bedder. 15 in. Dwarf and compact. Deep crimson flowers. Pkt. 15 cts., 1/2 oz. 50 cts., 1/4 oz. 75 cts.

Crimson King. 2 1/2 ft. The color is a dark, velvety crimson-red. Pkt. 10 cts., 1/4 oz. 35 cts., oz. \$1.25.

Affinis. 2 to 3 ft. Fragrant white, star-shaped flowers, 3 inches across, blooming continually. Pkt. 10c., 1/4 oz. 25c.; oz. 75c.

Affinis Hybrids, Mixed. 2 to 3 ft. A fine assortment of colors; highly perfumed. Pkt. 10 cts., 1/4 oz. 35 cts., oz. \$1.25.

Affinis, Red Shades. 2 to 3 ft. Immense clusters of rich crimson flowers. Pkt. 10 cts., 1/4 oz. 35 cts., oz. \$1.25.

Miniature White. 1 1/4 ft. Small-flowered, pure white species, delightfully scented. A fine bedding subject and pot-plant. Pkt. 35 cts., 3 pkts. \$1.

Sanderæ Hybrids, Mixed. 2 1/2 ft. New types in various colors. Pkt. 10 cts., 1/4 oz. 35 cts., oz. \$1.25.

NIEREMBERGIA hippomanica (Cup-Flower). Annual. For the greenhouse or a sheltered position outdoors. Only 6 inches high, it forms a cushion covered with delicate lavender flowers. Pkt. 50 cts., 3 pkts. \$1.25.

NIGELLA (Love-in-a-Mist; Fennel Flower). Easily grown annuals with cup-shaped flowers partly hidden by the lace-like foliage. For the border or for bedding.

Damascena, Double, Mixed. 1 1/2 ft. Feathery green foliage and double blue or white flowers. Pkt. 10 cts., 1/4 oz. 25 cts., oz. 75 cts.

Miss Jekyll. 2 ft. A lovely variety with cornflower-blue blossoms. Pkt. 10 cts., 1/4 oz. 30 cts., oz. \$1.

Miss Jekyll, White. Pure white form of the above. Pkt. 10 cts., 1/4 oz. 30 cts., oz. \$1.

NOLANA, Blue Ensign (Chilean Bell-flower). 1 ft. Annual for bedding or greenhouse use. Ultramarine flowers on 6-in. stems. Pkt. 50 cts., 3 pkts. \$1.25.

NOTHOSCORDUM fragrans (Honey Bells). Perennial. 20 in. White, scented flowers, tinted pink. Bulbs are stored over winter like tuberose. Pkt. 50 cts.

NYCTERINIA. Sweet-scented Annuals.

Selaginoides. Purple flowers, white inside. 6 in.

Capensis (Night Phlox). 1 ft. Blackish purple flowers, white inside.

Each, pkt. 25 cts., 5 pkts. \$1

ODONTOSPERMUM sericeum. Greenhouse Perennial. 2 ft. The yellow daisy-like flowers are 2 to 3 inches across. Silvery green foliage. Pkt. 50 cts., 3 pkts. \$1.25.

OENOTHERA (Evening Primrose). Perennial. So named because its flowers generally open in the afternoon and close in the morning. Favorite border plant.

Fraseri. 1 1/2 ft. Yellow flowers. July-Oct. Pkt. 25 cts., 5 pkts. \$1.

Lamarckiana. 3 ft. Yellow flowers. July-Oct. Pkt. 10 cts., 1/4 oz. 30 cts., oz. \$1.

Fruticosa Youngi. 1 1/2 ft. Yellow. Pkt. 25 cts., 5 pkts. \$1.

Missouriensis. 1 ft. Yellow. Pkt. 25 cts., 5 pkts. \$1.

Speciosa. 1 1/2 ft. White turning to pink; fragrant. Pkt. 25 cts., 5 pkts. \$1.

Childsi (Mexican Evening Primrose). 1 1/2 ft. Rose. Pkt. 15 cts., 2 pkts. 25 cts.

Clutei. 4 ft. Soft creamy yellow. Pkt. 15 cts., 1/4 oz. 60 cts., oz. \$2.

OSTROWSKIA magnifica (Giant Bell-flower). 5 ft. Perennial for the back of the border and needing winter mulching. Pale lilac flowers 4 inches across. Seeds slow to germinate. Pkt. 50 cts., 3 pkts. \$1.25.

PARNASSIA palustris (Grass of Parnassus). 1 ft. Good perennial rock-garden plant for damp situations, with 1-inch white flowers, veined green or yellow. Pkt. 35 cts., 3 pkts. \$1.

PASSIFLORA (Passion Flower). Half-hardy Climber. Handsome, rapid-growing climber for greenhouse or sunny positions outdoors in summer. Cross, crown of thorns, nails, etc., are seen in the flower. **Cerulea.** Large flowers of violet and blue. **Alba.** Large, white flowers.

Each, pkt. 15 cts., 2 pkts. 25 cts.

PEPPER, Ornamental. See page 12. Pkt. 25 cts., 1/2 oz. 60 cts., 1/4 oz. \$1.

PERILLA nankinensis. 2 ft. Easily grown annual. Excellent bronze foliage plant for beds. Pkt. 10 cts., 1/4 oz. 25 cts., oz. 75 cts.



Nigella, Miss Jekyll

Giant-Flowered Pansies

TREAT AS ANNUALS OR BIENNIALS

This popular plant needs no description. Good results may be obtained from sowing seed in April or again in July and August in a light, cool, but well-moistened soil, enriched with a slight amount of barnyard manure or fine-ground bone. Sow seed in drills, covering them five times their diameter, and firm the soil. Seed will germinate in about two weeks and should not be allowed to dry out. When plants are large enough to handle, transplant to a distance of 1 foot apart. Protected in winter under glass, summer-sown plants are put out in bloom in April; carried over in the open they bloom a month later.

S. & W. Co.'s Exhibition Strain

This mixture has been prepared from the finest varieties grown, with blooms of good size, splendid texture, and plants of robust constitution, holding their flowers well above the foliage. Every color combination has been included. Pkt. 50 cts., $\frac{1}{8}$ oz. \$1.50, $\frac{1}{2}$ oz. \$2.50, $\frac{1}{4}$ oz. \$4, $\frac{1}{2}$ oz. \$7.50, oz. \$15.

NON PLUS ULTRA MIXED. A mixture for the critical buyer who desires his beds to be uniform in quality yet with every color represented. Pkt. 25 cts., $\frac{1}{8}$ oz. \$1.25, $\frac{1}{4}$ oz. \$2, $\frac{1}{2}$ oz. \$3.75, oz. \$7.50.

MIXED BEDDING PANSIES. All colors. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.75.

Mastodon Pansies

Black Mastodon. Nearly all jet-black.
Mme. Perret. Edges of petals frilled and bordered white. Colors wine, pink, and red.
Mme. Steele. Immense, self purple.
Improved Beaconsfield. Bluish purple with lavender tinge on upper part of petals.
Mastodon, Adonis. Light blue, baby blue, and lavender shades.

Each, pkt. 25 cts., $\frac{1}{8}$ oz. \$1, $\frac{1}{4}$ oz. \$1.75, $\frac{1}{2}$ oz. \$3, $\frac{1}{2}$ oz. \$5, oz. \$10

Giant Mastodon Strains

Golden Gate. A monster golden yellow, unequaled in size and beauty.
Mlle. Irene. A new shade—henna-red.
Improved Isabelle. A superb, ruffled bronze and yellow. Long stems. Very large.
Sea Blue. A splendid dark blue.

Each, pkt. 50 cts., $\frac{1}{8}$ oz. \$2, $\frac{1}{4}$ oz. \$3.50, $\frac{1}{2}$ oz. \$6, $\frac{1}{2}$ oz. \$10, oz. \$20

Coronation Gold. Flowers are 3 inches across, with ruffled edges. Color is canary-yellow, with the lower petals flushed orange. Pkt. 50 cts., 3 pkts. \$1.25.

Pastoral Giants

The Pastoral Giants embrace a wider range of color than other large Pansies. Many are frilled and sweetly perfumed.

Oriole. Copper-red and yellow.

Pure Golden Yellow.

Lavender (light).

Pure Snow-White.

Mahogany Shades.

Bronze Shades.

Emperor William, Blue (dark).

Fancy Red Shades.

Yellow, Dark Eye.

Pink Shades.

Brown Shades.

Variiegated Shades. Striped and blotched.

Mixed. Contains every conceivable color.

Each, pkt. (about 300 seeds) 50 cts., $\frac{1}{8}$ oz. \$2, $\frac{1}{4}$ oz. \$3.50, $\frac{1}{2}$ oz. \$6, $\frac{1}{2}$ oz. \$10, oz. \$20

SUPER-PASTORAL GIANTS. This superb strain of giant Pansies is the culmination of years of scientific Pansy culture. A vigorous root-system enables it to bloom well into the hottest weather. Flowers are round, of immense size, firm texture and have strong stems.

Pure Golden Yellow **Pure Snow-White**
Lavender (light)

Finest Mixed. Each, pkt. 1, $\frac{1}{8}$ oz. \$3.50, $\frac{1}{4}$ oz. \$6, $\frac{1}{2}$ oz. \$10, oz. \$35.

Sawco Stupendous. Enormous greenhouse Pansies. See page 11. Pkt. \$2.50. (Ready in July.)

CUT-FLOWER PANSIES. For greenhouse culture. Flowers up to 3 inches in diameter, with stiff stems 6 to 11 inches in length. Wide range of colors. **Mixed only.** Pkt. \$1.50, 3 pkts. \$4.



Pentstemon, Sensation

Pentstemon - Beard Tongue

Treat as an Annual. Attractive hardy perennial producing sprays of brightly colored tubular flowers. Spectabilis is excellent for borders; others are bedding plants of great beauty, especially Sensation. The latter may be treated as an annual, giving it the same culture as bedding Salvias from seed.

Giant-flowered Hybrids. 2½ ft. This is a mixture of the finest giant-flowering varieties and a very excellent assortment of colors. Pkt. 25 cts., $\frac{1}{8}$ oz. 60 cts., $\frac{1}{4}$ oz. \$1.

Spectabilis. 4 ft. Produces long spikes of rich blue flowers. Pkt. 25 cts., 5 pkts. \$1.

Sensation. 2 ft. Desirable bedding plant. Spikes of large, gloxinia-like flowers in a wide range of color, including rose, red, carmine, cherry, pink, lilac, purple, etc. Pkt. 25 cts., $\frac{1}{8}$ oz. \$1, $\frac{1}{4}$ oz. \$1.50.

PHACELIA viscida (California Bluebell). *Annual.* 1 ft. Charming for edging a flower-bed. Plants are covered with saucer-shaped flowers of brilliant, deep gentian-blue. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Campanularia. *Annual.* 1 ft. Covered with blue flowers all summer. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Ciliata. 1 ft. Sweet-scented; lavender. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Gloxinioides (*P. Whitlavia gloxinioides*). *Annual.* 1 ft. Violet-purple flowers, each with white throat. Resembles gloxinia. Pkt. 35 cts., 3 pkts. \$1.

PHASEOLUS Caracalla. See page 12. Pkt. 35 cts.

The Charming Phlox

For richness of color and freedom of flowering, these cannot be surpassed. Invaluable for beds and ribbon-gardening. Sow outdoors in May, and they will be a mass of color in July and continue until late autumn. Seeds may be sown indoors in March for flowers in June.

Large-flowering Dwarf

The plants are about 6 inches high.

Apricot. **Fireball.** Scarlet.
Chamois-Rose. Pink. **Isabellina.** Yellow.
Defiance. Crimson. **Purple.**

Snowball. Pure white.

Each, pkt. 15 cts., $\frac{1}{4}$ oz. 75 cts., oz. \$2.50

MIXED, pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50

COLLECTION: Pkt. each, 7 sorts, \$5 cts.

Star of Quedlinburg. Dwarf; star-shaped flowers. A novel variety. **Mixed.** All colors. Pkt. 15 cts., $\frac{1}{4}$ oz. 75 cts.

Gigantea, Art Shades. Flowers 1½ inches across and in soft pastel colors. 9 in. Pkt. 20 cts., $\frac{1}{4}$ oz. 75 cts., oz. \$2.50.

Salmon Glory. See page 13. Pkt. 25 cts., $\frac{1}{4}$ oz. 75 cts., $\frac{1}{2}$ oz. \$1.25.

Rosy Morn. See page 13. Pkt. 35 cts., 3 pkts. \$1, $\frac{1}{8}$ oz. \$2.

Large-flowering Tall (15 inches)

Brilliant. Finest crimson.

Carmine. Carmine with white eye.

***Chamois-Rose.** Shell-pink.

***Isabellina.** Tea-rose yellow.

Kermesina. Scarlet-striped.

Leopoldi. Rose with white eye.

***Purple**

***Rich Rose**

***Scarlet**

***White**

Purple King. Purple, white eye.

Splendens. Deep crimson, white eye.

Each, pkt. 15 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$2
MIXED, pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50

COLLECTION: Pkt. each 12 sorts, \$1.50
Pkt. each 6 sorts marked (*), 75 cts.

Hardy Phlox Perennial

Large-flowering Hybrids, Tall Mixed.
Pkt. 25 cts., $\frac{1}{4}$ oz. \$1, oz. \$3.50.



Phlox gigantea, Art Shades

Brilliant Petunias

Petunias cannot be equaled by any other plant for outdoor decoration, for beds, porch-boxes or window-boxes. They flower in summer, even if sown in the open ground during May or June. Those sown in the house or hotbed in March or April will be in bloom by

June and will be larger and finer plants. Petunias grow from 1 to 1½ feet high, except miniature sorts and the dwarf single bedding types (*Petunia hybrida nana*) which attain 9 inches or less.

Giant-flowering Single Fringed

Petunia grandiflora fimbriata

These have flowers 4 to 5 inches across.

Pride of Portland. Beautiful rose-pink.
Romany Lass. Coppery blood-red blossoms with dark purple throat; striped black.
Scarlet Beauty. Brilliant scarlet.
Theodosia. Large; soft rose-color, with a golden throat, beautifully veined.
Violacea. Velvety violet-blue.
White Beauty. Clear, crisp white.
Single Fringed, Mixed (Fluffy Ruffles).

Each, pkt. 25 cts., 5 pkts. \$1

COLLECTION: Pkt. each, above 4 colors, \$1.25

Dainty Lady. The flowers are fringed, medium in size and light golden yellow. Pkt. 50 cts., 3 pkts. \$1.25.
Gottfried Michaelis. Amaranth-red flowers with dark throats; fringed; large. A wonderful bedding and border sort, and often used for baskets. 1 ft. Pkt. 25c., 5 pkts. \$1.

Giant-flowering Single Plain-edged (*Petunia grandiflora*)

These have flowers 4 to 5 inches across.

Elk's Pride. Large; very dark purple.
Dwarf Pink Glory. Deep rose flowers, slightly ruffled.
Purple Prince. Rich velvety purple-violet.
White Cloud. Large, pure white flowers. Somewhat dwarfer than the above. 10 in.

Each, pkt. 25 cts., 5 pkts. \$1

COLLECTION: Pkt. each, above 4 colors, 85c.

Burgundy. A beautiful mixture of purple and carmine colors, and each flower has a white throat with violet lines. Pkt. 50 cts., 3 pkts. \$1.25.
Snowstorm Improved. Glistening white, with a suffusion of yellow in the throat. Pkt. 35 cts., 3 pkts. \$1.

Giant-flowering Double Fringed

Petunia grandiflora fimbriata flore-pleno

Produces double, some semi-double, and a few single flowers, 4 to 5 inches across.

Crimson King **Rose Queen**
Madonna. Pure white. **Copper-Red**
Rose-Pink with White. **Heliotrope**

Each, pkt. 50 cts., 3 pkts. \$1.25

COLLECTION: Pkt. each, above 6 colors, \$2.50

Double Fringed Mixed. (California-grown seed.) Large, fringed flowers. Wide variety of colors. Pkt. 35 cts., 3 pkts. \$1.

Miniature Types

Each plant forms a perfect ball 6-8 in. high, covered with flowers, the individual blossoms being 2 inches in diameter.

Rose Gem **Pink Gem**
White Gem. Pure white.
Pink and White Gem. Rose, starred white.
Rose Crepe de Chine. Rich rose, silky waved petals.

Cockatoo. Deep purple-violet, with regular shaped splashes of white around the margin.

Each, pkt. 35 cts., 3 pkts. \$1, ½ oz. \$1.50, ¼ oz. \$2.50

Mixed. Pkt. 25 cts., ½ oz. \$1, ¼ oz. \$1.50.
Violet Gem. See page 13. Pkt. 50 cts.

Ruffled Petunias

Marilyn (Large-throated). (1 ft.) A half-dwarf type of erect and robust habit. The flowers are very large and ruffled and are a beautiful shade of rich salmon. Pkt. 50 cts., 3 pkts. \$1.25.

Dwarf Giants of California. Large flowers with yellow throats, heavily marked and delicately veined. Compact and vigorous. **Mixed colors.** Pkt. 25 cts., 5 pkts. \$1.

Martha Washington. Ruffled **Nana Compacta.** (9 in.) The frilled portion of the flower is a blush-pink, the center veined a wine-red, deepening in the throat, which is large, to dark violet. Pkt. 35 cts., 3 pkts. \$1.

General Washington. See page 13. Pkt. 35 cts., 3 pkts. \$1.

Ruffled, Mixed. See page 13. Pkt. 50 cts., 3 pkts. \$1.25.

All-Double

Remarkable in that every seedling will produce double or semi-double flowers, many over 4½ inches across.

Blue Brocade. See page 13. Pkt. 75 cts., 3 pkts. \$2.

DAINTINESS (Apple Blossom). 12 to 15 in. The flowers are extra large, very double, and fringed. Their color is an entrancing medium tone of pink.

Amaranth. Red.

Gaiety. Rose and white.

Loveliness. Clear pink.

Orchid Beauty. Clear color with veinings of a deeper shade.

White Victorious.

World Beauty. Rose-carmine.

Victorious, Mixed (Dwarf).

Each of above All-Double Petunias, pkt. 50 cts., 3 pkts. \$1.25

Single Balcony, Plain-edged

Petunia hybrida pendula

For borders, beds, and rock-gardens; their somewhat spreading habit enables them to festoon themselves over window-boxes, porches and walls. Flowers 3 inches across.

Balcony White. Pure white.

Balcony Rose. Pure rose-pink.

Balcony Crimson. Rich deep crimson.

Balcony Blue. Cornflower-blue.

Balcony Purple. Velvety violet-purple.

Each, pkt. 20 cts., ½ oz. 60 cts., ¼ oz. \$1, ¼ oz. \$1.50

COLLECTION: Pkt. each, above 5 colors, 75c.

Balcony, Rosy Morn. One of the season's novelties. The most popular color in Petunias, rosy crimson, lightening to a white throat, is at last available in the Balcony series. A splendid sort. Pkt. 20 cts., ½ oz. 60 cts., ¼ oz. \$1, ¼ oz. \$1.50.

Balcony, Red Wonder. See page 13. Pkt. 35 cts., 3 pkts. \$1, ½ oz. \$1.50.

Balcony, Mixed. All colors. Pkt. 15 cts., ½ oz. 50 cts., ¼ oz. 75 cts., ¼ oz. \$1.25.

Parviflora (Trailing Petunia). Lilac-pink blossoms are ¼ inch across, while the narrow leaves, less than an inch long, produce a lace-like effect. Will spread in a circle 18 inches in diameter. From a window-box it will trail down 15 inches. Pkt. 25 cts., 5 pkts. \$1.

Single Bedding (*P. hybrida*) 1½ ft.

Radiance. See page 13. Pkt. 35 cts.

Blue Bedder. Rich, royal blue. Very free flowering; effective when planted in beds. Charming, too, as a pot-plant. Pkt. 10 cts., ¼ oz. 50 cts., oz. \$1.50.

Flaming Velvet. Flowers are a brilliant, velvety scarlet. Outstanding in color, type, and uniformity; few off-color rose flowers. Pkt. 25 cts., ½ oz. \$1.25, ¼ oz. \$2.

General Dodds. Velvety dark red or garnet. Pkt. 10 cts., ¼ oz. 50 cts., oz. \$1.50.

Hollywood Star. Flowers, which appear early, are star-shaped, five-pointed, and rose-pink in color, with a creamy yellow throat. Pkt. 25 cts., ½ oz. \$1.25, ¼ oz. \$2.

Howard's Star Improved. Rosy crimson, with a five-pointed white star in the center. Pkt. 15 cts., ½ oz. 50 cts., ¼ oz. 75 cts.

Pink Beauty. The flowers are quite large, of handsome form, brilliant rose-pink with throat lightly suffused with yellow. Pkt. 15 cts., ½ oz. 50 cts., ¼ oz. 75 cts.

Topaz Rose. (Rose and Gold.) Light cerise-red or topaz-rose; fragrant. 1½ ft. Pkt. 15 cts., ½ oz. 50 cts., ¼ oz. 75 cts.

Bedding, Mixed. Highly decorative. Pkt. 10 cts., ¼ oz. 50 cts., oz. \$1.50, ¼ lb. \$5.

Dwarf Bedding (*P. hybrida nana*)

(9-12 in.)

First Lady. See page 13. Pkt. 50 cts.

Celestial Rose. Deep satiny rose with a white throat. Shapely and compact. Pkt. 15 cts., ½ oz. 75 cts., ¼ oz. \$1.25.

CREAM STAR. See page 13. Pkt. 25 cts., 5 pkts. \$1, ½ oz. \$1.50.

ALL-AMERICA, SILVER MEDAL **GLOW.** The bushy plant is covered all season with medium-sized, rich rose-red flowers with lighter throat. Pkt. 35 cts., ½ oz. \$1.25, ¼ oz. \$2.

Heavenly Blue (Silver Blue). Enchanting shade of light silvery blue. Pkt. 25 cts., 5 pkts. \$1, ½ oz. \$1.50.

New Rosy Morn. Rosy crimson flowers, lighter toward the center blending with the creamy yellow throat. Brighter, larger and more uniform than Rosy Morn. Pkt. 25 cts., 5 pkts. \$1, ½ oz. \$1.50.

Rose of Heaven. Rich, brilliant rose, a trifle deeper than Rosy Morn. Pkt. 15 cts., ½ oz. 75 cts., ¼ oz. \$1.25.

Rosy Morn. Carmine-pink; white throat. Pkt. 15 cts., ½ oz. 85 cts., ¼ oz. \$1.50.

Salmon Supreme. Light coral-salmon blooms, about 2 inches in diameter, cover the foot-high, somewhat spreading plants. Pkt. 35 cts., 3 pkts. \$1, 6 pkts. \$1.50.

Sunrise. Two-inch flowers are slightly frilled and brilliant rose in color with a scarlet flush radiating from a small yellow throat. Pkt. 50 cts., 3 pkts. \$1.25.

Velvet Ball. The plant is compact, dwarf, and free-flowering. Flowers are 2½ inches in diameter; they are a deep velvety blood-red. Pkt. 50 cts., 3 pkts. \$1.25.

Violet-Blue. See page 13. Pkt. 35 cts., 3 pkts. \$1, ½ oz. \$1.50.

Violet Queen (Dwarf Violacea). Rich, plush-like violet-blue. Pkt. 15 cts., ½ oz. 75 cts., ¼ oz. \$1.25.

Nana compacta, Mixed. Pkt. 15 cts., ½ oz. 50 cts., ¼ oz. 75 cts., oz. \$2.50.



Platycodon grandiflorum

PLATYCODON

Balloon Flower; Japanese Bellflower

Perennial. Produces bell-shaped showy flowers during the whole season.

Grandiflorum. Steel-blue; 2½ ft. Pkt. 10 cts., ¼oz. 50 cts., oz. \$1.50.

Grandiflorum album. White; 2½ ft. Pkt. 15 cts., ¼oz. 75 cts., oz. \$2.50.

Grandiflorum Mariesi. Violet-blue; 1½ ft. Large, open, bell-shaped flowers. Pkt. 25 cts., ½oz. 75 cts., ¼oz. \$1.25.

Grandiflorum japonicum fl.-pl. (Double). Deep blue; 2½ ft. Large, glossy flowers that in shape have the appearance of a star. Pkt. 25 cts., 5 pkts. \$1.

Annual Platycodon

Seeds sown outdoors in April will produce flowers by August; started earlier, under glass, they will bloom in July. Flowers first appear at a height of 6 inches and eventually the plants grow to 2 feet.

Blue	White	Mixed
Each, pkt. 15 cts., ½oz. 60 cts., ¼oz. \$1		

PHYSALIS Francheti (Chinese Lantern). Perennial. 2 ft. Giant strain. Produces the familiar scarlet lantern fruits. May be had first year from seed if sown early. Pkt. 25 cts., ½oz. \$1, ¼oz. \$1.50, oz. \$5.

PHYSOSTEGIA virginica (False Dragon-head). Perennial. Lilac; 4 ft. Bears spikes of delicate lilac, tubular flowers. Pkt. 15 cts., ¼oz. 75 cts.

Virginica alba. Perennial. White; 3 ft. Pkt. 15 cts., ¼oz. \$1.

Vivid. Bushy plant, with larger violet-rose flowers. Pkt. 50 cts., 3 pkts. \$1.25.

PLATYSTEMON californicus (Cream Cups). Native perennial for the rock-garden or for flower-beds, growing 1 foot high and with yellow poppy-like flowers. Pkt. 35 cts., 3 pkts. \$1.

POINCIANA Gilliesi (Flower-Fence). Greenhouse perennial, reaching 10 feet, but grown as an annual, is only 4 feet. Yellow, flattened, pea-shaped flowers, with red stamens. Pkt. 35 cts., 3 pkts. \$1.

GEM-LIKE PORTULACA

Sun-Plant

Annual. Ground-hugging plants, 6 inches high, with narrow, fleshy leaves and 1-inch flowers which open only in bright weather; they are as brightly colored as candies in a jar. Of easy culture, thriving best in a rather rich, light loam or sandy soil and sunny situation. Fine for massing in beds, edgings on rockwork, and frequently used to sow broadcast over sunny banks, etc.

Single Grandiflora

Alba. Pure white.
Æurea. Deep golden yellow.
Rosea. Beautiful rose.
Splendens. Crimson.

Each, pkt. 10 cts., ¼oz. 50 cts., oz. \$1.50
 Finest Mixed, pkt. 10 cts., ¼oz. 30 cts., oz. \$1

Double Grandiflora

Alba. White.
Rosea. Rose.
Salmonea. Salmon.
Splendens. Crimson.
Sulphurea. Yellow.

Each, pkt. 15 cts., ½oz. 60 cts., ¼oz. \$1
 Finest Mixed, pkt. 15c., ½oz. 50c., ¼oz. 85c.

POINSETTIA pulcherrima. Familiar greenhouse plant, popular for Christmas decoration with its bright scarlet bracts. Customarily propagated by cuttings, but seed may be sown experimentally. Pkt. 50 cts., 3 pkts. \$1.25.

POLEMONIUM (Jacob's Ladder). Perennial. 2 ft. Popular border plant, with bell-shaped flowers nearly 1 inch across. May-July.

Cæruleum grandiflorum. Deep blue.

Album. Pure white.
Richardsoni. Sky-blue.

Each, pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50

POLYANTHUS (*Primula elatior*). Perennial. Immense trusses of large flowers on 10-inch stems. Seed is sown in early summer, and the plants transferred to their permanent positions in the autumn. Give a covering of litter over winter.

Mixed Colors. Pure white, through yellow to rich wallflower-red. Pkt. 25 cts., 5 pkts. \$1, ½oz. \$2.50.

Blue Beauty. Excellent strain of the blue Polyanthus Primrose. Pkt. 50 cts., 3 pkts. \$1.25.

POLYGONUM Persicaria (Lady's-Thumb). Annual. 2 ft. This familiar native plant proves to be an effective bedding subject. Pink or greenish purple flower clusters. Pkt. 25 cts., 5 pkts. \$1.

POTENTILLA (Cinquefoil). Perennial. Charming plants for the mixed border, producing brilliant flowers. Will thrive in almost any soil provided the situation is sunny.

Alpina nana. 1½ ft. Lemon flowers all summer.

Nepalensis (formosa). Red; 1½ ft.

Miss Willmott. Rose; 6 in.

Each, pkt. 15 cts., ½oz. 50 cts., ¼oz. 85 cts.

PRATIA angulata. 6 in. Creeping perennial for the rock-garden with half-inch flowers, white streaked with purple. Pkt. 35 cts., 3 pkts. \$1.



Portulacas

PYRETHRUM • Painted Daisy

Perennial. The first-named variety is the well-known Golden Feather so much used for carpet bedding; the others are most attractive hardy plants with daisy-like flowers.

Aureum (Golden Feather; Feverfew). 6 in. This half-hardy perennial plant, with bright golden leaves, is grown as an annual. Valuable for edging. Pkt. 10 cts., ¼oz. 30 cts., oz. \$1.

New Double Hybrids. 2 ft. We offer a wonderful strain with large, very double flowers.

Red
White
Pink

Salmoneum
Sulphureum

Each, pkt. 50 cts., 3 pkts. \$1.25

Double Hybrids, Mixed. 2 ft. Pkt. 25 cts., ½oz. \$1, ¼oz. \$1.50, oz. \$5.

Single Hybrids, Mixed. 2 ft. Our single strain has been grown specially for us in England. The cosmos-like flowers range in color from the palest pinks to deep red. Pkt. 15 cts., ¼oz. 60 cts., oz. \$2.

PUERARIA Thunbergiana (Kudzu Vine).

Half-hardy Perennial. Climbing plant, reaching 10 feet the first year from seed, and thereafter, 50 feet in a season is not unusual. Its foliage is large and covers well. Racemes of rosy purple blossoms in August. Pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50.

RAMONDA pyrenaica. Perennial. A rare and beautiful hardy plant for the alpine garden. Grows 4 inches high; violet-purple flowers in early spring. Pkt. 50 cts., 3 pkts. \$1.25.

RANUNCULUS asiaticus. 1 ft. Perennial; treat as an Annual. From a wild, large-flowered type, a variety of reds, yellows, orange, etc. have been produced. Includes singles, semi-doubles, and doubles.

Tecolote Giants, Mixed. Red and yellow.

Palestine Strain, Mixed. A mixture of all colors.

Above 3, pkt. 35 cts., 3 pkts. \$1

New Zealand Hybrids, Mixed. Large buttercup-shaped flowers in a wide range of colors. Greenhouse plant sown in spring to bloom 12 months later. Pkt. \$1, 3 pkts. \$2.50.



Shirley Poppies

Double Annual Poppies

Cavalcade. A begonia-flowered double type of Shirley Poppy of a rich orange-scarlet. If the flowers are gathered as the bud is bursting, they open fully and lend themselves admirably for floral arrangements. Pkt. 15 cts., $\frac{1}{4}$ oz. 75 cts., oz. \$2.50.

New Double Shirley Poppies. A new double type with very beautiful and graceful flowers.

Mixed. All colors. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Carnation-flowered Varieties

These striking double Poppies attain a height of $2\frac{1}{2}$ feet.

Bright Rose **Heliotrope**
Shell-Pink **White Swan**
Mikado. Red, white striped. **Cherry-Red**

Each, pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts., oz. \$1
Mixed, pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts.
COLLECTION: Pkt. each, above 6 colors, 50c.

Cardinal Alldouble. 2 ft. Large-flowered sort, similar to the Carnation-flowered Poppy, but dwarfier. The important thing is that all the flowers are absolutely double. Their color is brilliant cardinal-red. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Peony-flowered Varieties

These beautiful flowers have the shape of a bursting bomb—similar to a large peony. Height $2\frac{1}{2}$ ft.

Bright Rose **Cardinal-Red**
Creamy Yellow **Shrimp-Pink**
White **Pansy-Violet**

Each, pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts., oz. \$1
Mixed, pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts.
COLLECTION: Pkt. each, above 6 colors, 50c.

Alpine Poppies, Mixed (*Papaver alpinum*). 10 in. This hardy perennial Poppy is one of the most beautiful rock and alpine plants with bloom in a marvelous color-range. Pkt. 25 cts., $\frac{1}{8}$ oz. \$1.

Royal Poppy (*Meconopsis regia*). Hardy Perennial. During late autumn and early spring the plants have flat rosettes of very beautiful silvery leaves. In spring, stems are produced bearing large, handsome, yellow flowers on short stalks. Pkt. 50 cts., 3 pkts. \$1.25.

Poppies

Annual Poppies should be sown in spring where they are to remain, as they do not transplant readily. Thin to 6 inches. Seed may also be sown in autumn for flowering next year.

Single Annual Poppies

American Legion. This new single Shirley is a dazzling orange-scarlet of enormous size, borne on long, stout stems. The plants are of very erect, robust growth. Highly commended by the Royal Horticultural Society of Great Britain. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Shirley Poppies

The Shirley or ghost type is beautiful and graceful. It attains a height of $2\frac{1}{2}$ feet.

Salmon-Pink **Wild-Rose-Pink**
Pure White **Deep Apricot**
Picotee. White cup, scarlet edging.
Blue Shades. Gray-blue.

Each, pkt. 10 cts., $\frac{1}{4}$ oz. 35 cts., oz. \$1.25
Finest Mixed, pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts.

COLLECTION: Pkt. each, above 6 colors, 50c.

Fairy Mixture. These have flowers measuring up to 6 inches in diameter, each having a Maltese cross of varying tint, and the mixture contains all art shades of pink, rose, salmon, and scarlet. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Admiral. 3 ft. A peony-flowered variety, having large flowers of glistening white with a broad band of brilliant scarlet around the top.

Danebrog (Danish Cross). 3 ft. Large flowers of brilliant scarlet, with a silvery white spot on each petal, forming a white cross.

King Edward. 3 ft. Deep scarlet, shaded crimson-red, each petal marked with a black blotch against which the yellow anthers stand out in bold relief.

Tulip Poppy (*Papaver glaucum*). 20 in. Flowers are 3 inches across and closely resemble the brilliant scarlet Gesneriana tulip.

Above 4 sorts, pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts.

Tibetan Poppies (*Meconopsis Baileyi*). A perennial 4 feet high, and producing sky-blue flowers. Sow in pans or boxes in a coldframe. Transfer to small pots when large enough, and when the plants are well established put into deep loam and leaf-soil in a moist, well-drained, half-shady position. Seed is very slow to germinate. Pkt. 50 cts., 3 pkts. \$1.25.

Oriental Poppies

(*Papaver orientale*). Hardy Perennials

Sow early in spring. Plants disappear in July and August, appearing again in cool weather. When this fall growth starts, transplant to their permanent flowering quarters.

Scarlet. Pkt. 15 cts., $\frac{1}{8}$ oz. 50 cts.

Oriflamme. Gorgeous orange-scarlet. Pkt. 15 cts., $\frac{1}{8}$ oz. 50 cts.

Princess Victoria. Immense salmon flowers. Pkt. 25 cts., $\frac{1}{4}$ oz. 75 cts.

Finest Mixed. Pkt. 10 cts., $\frac{1}{8}$ oz. 50 cts.

Double Orientale. The plant bears numerous double flowers of a glowing, very striking orange-scarlet and measure 6 inches across. Pkt. 50 cts., 3 pkts. \$1.25.



Iceland Poppies

Iceland Poppies

Papaver nudicaule

Although perennials, these will flower the first year from seed. They are of graceful habit, with bright green, fern-like foliage, formed in tufts, from which issue slender flower-stalks about 1 foot high.

Yellow Wonder. This new variety grows 3 feet high. The enormous flowers measure 4 to 6 inches across and are bright buttercup-yellow. Pkt. 35 cts., 3 pkts. \$1, $\frac{1}{4}$ oz. \$1.50.

The Emperor. Fine deep tangerine. Flowers are fluted and have a tendency to be semi-double. Strong, wiry stems, $1\frac{1}{2}$ feet long. Pkt. 35 cts., 3 pkts. \$1, $\frac{1}{4}$ oz. \$1.50.

The Empress. Lovely shades of salmon-rose and pink. Fluting and wrinkling make the flowers appear semi-double; they are exceptionally large and if gathered as the bud is breaking, are excellent for cut-bloom. Pkt. 35 cts., 3 pkts. \$1, $\frac{1}{4}$ oz. \$1.50.

Tangerine. This is a deep tangerine-orange, with flowers of enormous size.

Coonara Pink. Rose-pink and salmon are blended to give us flowers of rare shades, while the petals are slightly ruffled.

Fakenham Hybrids, Mixed. You will be surprised at the range of color when you see this mixture in bloom. Brilliant. Cheerful.

Sanford's Giant Strain, Mixed. The unusually long, extra-stout stems, bearing large flowers, make this kind valuable. All colors.

Each, pkt. 25 cts., $\frac{1}{4}$ oz. 60 cts., $\frac{1}{4}$ oz. \$1

Fine Single Iceland Poppies in separate colors. Groups of these in the perennial border are very effective in the spring.

Iceland, Scarlet **Iceland, Yellow**
Iceland, White **Iceland, Mixed**

Each, pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.75

Double Iceland Poppies. Mixed, pkt. 15 cts., $\frac{1}{4}$ oz. 75 cts., oz. \$2.50.

The following are offered on page 13.

Belvedere Beauty. Pkt. 35 cts., 3 pkts. \$1.
Red Cardinal. Pkt. 25 cts., 5 pkts. \$1.

The Flanders Poppy

English Scarlet (*Papaver Rhæas*). Bright red Field Poppy of the European countryside. Annual. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts.

Primula • Primrose

GREENHOUSE PLANTS AND HARDY PERENNIALS

The charming and beautiful Fimbriata and Obconica varieties are among our most important winter-blooming plants. Seed sown in April will bloom during early winter; August for spring blooming. Sow in shallow pans, in soil consisting of part sand and leaf-mold worked through a fine sieve, and allow for good drainage. Cover seeds lightly, and water frequently; give a temperature of about 65 degrees. Hardy types may be sown in the open ground; mostly they do best in a moist, partly shaded situation.

Primula sinensis fimbriata

Chinese Fringed Primrose

Dazzler. The vivid orange-red of sunset. Very free flowering, often showing as many as twenty of the fringed blooms on a single plant at one time. Pkt. \$1, 3 pkts. \$2.50.

Double Charm. Stocky and shapely plant, blossoms developed well above the leaves. These are very double and somewhat suggestive of Polyantha rose blooms. Their color is creamy rose, with an overtone of apricot-pink. Pkt. 50 cts., 3 pkts. \$1.25.

Giant Varieties

Amaranth. Clear amaranth-red.

Crimson. Fine ruby.

Emperor. Terra-cotta-scarlet.

Salmon. An exquisite color.

Magnifica or True Blue. The finest blue.

Pink Pearl. Brilliant rose; large.

White Queen Alexandra.

Each, pkt. 75 cts., 3 pkts. \$2

COLLECTION: Pkt. each, above 7 colors, \$5

Single Sinensis Hybrids, Mixed. New and beautiful shades. Pkt. 75 cts., 3 pkts. \$2.

Double Sinensis Hybrids, Mixed. Double fringed flowers. Pkt. 75 cts., 3 pkts. \$2.

Primula stellata (Star Primrose)

These are graceful plants and bloom very freely.

White Star

Blue Star

Salmon-Pink Star

Coral-Pink Star

Crimson Star

Mixed Star

Each, pkt. 75 cts., 3 pkts. \$2

COLLECTION: Pkt. each, above 11 colors, \$3.50

Primula malacoides

Lilac (The Giant Baby Primrose). Light lilac flowers. Pkt. 25 cts., 5 pkts. \$1.

Riverside. True rose-pink. Strong grower.

Salmon Beauty. Beautiful shade of salmon.

Wonder Baby. Beautiful shade of pink.

Double White. Double; pure white.

Above 4 sorts, each, pkt. 50 cts., 3 pkts. \$1.25

Giant California Strain. See page 13.

Enchantress **Double Fairy Jewels**

Above 2, each, pkt. \$1.50

Lavender Glory

Snowflake

California, Mixed

Above 3, each, pkt. \$1

Ericksoni Hybrids. Both the flower and plant are superior to the ordinary type.

Baby Rose. Very deep pink, some almost red. Pkt. \$2.

Baby Doll. A deep pink with frilled flowers. Pkt. \$2.

Brilliancy. Opens lavender-pink, changes to crimson-red. Pkt. \$2.

New Baby. Near lavender-pink. Strong grower and largest flowers. Pkt. \$2.

Snow King. The pure white the florist has been waiting for. Pkt. \$2.

Mixed. Pkt. \$2.

Various Greenhouse Sorts.

Forbesi (Baby Primrose). Rosy lilac. Keep well pinched back until October. Pkt. 35 cts., 3 pkts. \$1.

Kewensis. Attractive yellow, fragrant flowers. Pkt. 25 cts., 5 pkts. \$1.

Primula obconica

Our improved strains outrival the old types, the flowers being considerably larger, often measuring 2 inches across.

Wyaston Wonder. Huge heads of immense crimson flowers, and the foliage is believed by the introducer to be non-poisonous—at least a variety safe for those who are allergic to this plant. Pkt. 50 cts., 3 pkts. \$1.25.

Obconica gigantea.

Dark Red
Pure White

Deep Rose
Sky Blue (cærulea)

Each, pkt. 35 cts., 3 pkts. \$1, 6 pkts. \$1.75

Obconica gigantea, Mixed. Pkt. 25 cts., 5 pkts. \$1.

Atrosanguinea, Mohnstein. Bright crimson. Pkt. 50 cts., 3 pkts. \$1.25.

Atrosanguinea, Mueller. Deep crimson. Pkt. 50 cts., 3 pkts. \$1.25.

Rosea, Mueller. Bright rose. Pkt. 50 cts., 3 pkts. \$1.25.

Hardy Primulas

Beesiana. Purple with yellow eye; 2 ft. Pkt. 25 cts.

Bulleyana hybrida. Orange, apricot, and carmine shades; 2 ft. Pkt. 25 cts.

Cashmeriana. 1 ft. Lilac flowers in dense heads. Pkt. 50 cts.

Chionantha. 20 in. Mealy foliage. White flowers with dark centers and yellow tubes. Fragrant. Pkt. 25 cts.

Chungensis. 15 in. Deep orange-yellow, fragrant flowers. Pkt. 35 cts.

Cortusoides. Pink flowers from May to July. 9 in. Pkt. 50 cts., 3 pkts. \$1.25.

Denticulata. Rosy lilac; 1 ft. Pkt. 50 cts.

Florindæ. 4 ft. Bears fragrant, yellow, pendulous flowers. July, Aug. Pkt. 35 cts.

Helodoxa. Golden; 3 to 4 ft. Pkt. 35 cts.

Japonica alba (Japanese Primrose). 2 ft. White flowers with pink centers. Pkt. 25c.

Japonica, Etna. Copper-red; 2 ft. Pkt. 35c.

Japonica splendens. Crimson; 2 ft. Pkt. 35 cts.

Japonica, Choice Hybrids, Mixed. 2 ft. Bright, showy flowers. Pkt. 25 cts.

Lissadel, Red Hugh. 1 ft. Fiery madder-red. Pkt. 25 cts.

Microdonta alpicola. 1½ ft. Yellow flowers, with powdered white throat. Pkt. 25c.

Pulverulenta. Crimson; 1½ ft. Pkt. 25 cts.

Sieboldi. 6 in. Pink and rose shades. Pkt. 75 cts., 3 pkts. \$2.

Sikkimensis (The Sikkim Cowslip). 1½ ft. Pale yellow; fragrant. Pkt. 25 cts.

Veris, Mixed (The English Cowslip). 1 ft. Pkt. 15 cts.

Veris. New giant hybrids of the English Cowslip. Each floret is often 2 inches across and the colors are clear.

Red Shades **Violet Shades** **Lilac Shades**
Yellow **White** **Pink** **Mixed**

Each, pkt. 75 cts., 3 pkts. \$2

Vulgaris. 6 in. The true English Primrose. Canary-yellow; fragrant. Pkt. 15 cts.

Waltoni. 15 in. Dark red, wine-colored, glozy flowers. Pkt. 35 cts.



Primula obconica



Primula sinensis fimbriata



Primula malacoides

GREEN WOODEN STAKES

to support your plants, they are efficient and appropriately neat. In the 3-foot length, 100 of them cost only \$3.75. Other lengths are described in Implement Section.

REHMANNIA angulata. Greenhouse Biennial. 2 to 3 ft. Flowers 3 inches in diameter, rosy purple with yellow throats spotted with deep purple. Blooms nine months from sowing. Pkt. 25 cts., 5 pkts. \$1.

RHEUM palmatum. Decorative perennial of the Rhubarb family, growing 6 feet high, with large leaves and panicles of red flowers. Pkt. 50 cts., 3 pkts. \$1.25.

RHODANTHE, Mixed. Annual; Everlasting. 1 ft. Pretty edging plant. The flowers are useful for dried bouquets for winter decoration. Easily grown. Pkt. 10 cts., 1/4oz. 25 cts., oz. 75 cts.

ROMNEYA Coulteri (Bush or Matilija Poppy). 5 ft. Native perennial for the greenhouse; pots may be plunged outdoors in summer for a splendid bedding effect. Large, white, fragrant blooms. Takes two years to flower from seed. Pkt. 50 cts., 3 pkts. \$1.25.

ROSA polyantha nana (Baby Rose). Perennial. Blooms within six months of sowing seed and grows 15 inches high. Small, white and pink flowers, both single and double. Makes a neat edging for rose-garden. Pkt. (25 fruits) 50 cts., 3 pkts. \$1.25.

RUDBECKIA • Coneflower

Annual Varieties

Kelvedon Star. Rampant grower, developing into a bush 3 feet high. The flowers vary, but all have dark brown centers, surrounded by a shining chocolate-mahogany zone, with deep orange or yellow on the outermost part of the florets. Pkt. 25 cts., 1/4oz. 75 cts., oz. \$2.50.

My Joy. A new annual sort having bright orange flowers sometimes 5 inches across. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

Perennial Varieties

Hirta Hybrids, Mixed. 2 ft. Perennials which may be treated as annuals; sown indoors in March, they bloom in late summer. Flowers are large, single, and each is of only one color; they range from a deep mahogany self through bronze and orange to yellow. Pkt. 25 cts., 1/4oz. 75 cts., oz. \$2.50.

Bicolor, Solfatare. Sulphur-yellow; 3 ft. Pkt. 15 cts., 1/4oz. 75 cts.

Bicolor superba. Yellow with brown center; 3 ft. Pkt. 10 cts., 1/4oz. 50 cts.

Fulgida. Orange-yellow; 5 ft. Pkt. 15 cts., 1/4oz. 60 cts.

Newmani. Orange with purple cone; 3 ft. Pkt. 15 cts., 1/4oz. 75 cts.

Purpurea. Reddish purple; 4 ft. Pkt. 15 cts., 1/4oz. 75 cts.

RUPELLIA ciliosa. 1 1/2 ft. Continuous-blooming perennial requiring a winter mulch, with 2-inch tubular lavender-blue flowers like petunias. Pkt. 50 cts., 3 pkts. \$1.25.

SABBATIA stellaris. Annual. 1 ft. Deep pink flowers, each with a golden center. Needs moist soil. Pkt. 35 cts., 3 pkts. \$1.

SAINTPAULIA (African Violet). Greenhouse Annual. Of interest to the professional for conservatory decoration.

Ionantha cordata. Dark foliage plant with large deep lavender flowers.

Kewensis. January sowings last from July well into the winter. Shining blue flowers.

Each, pkt. 50 cts., 3 pkts. \$1.25

SALVIA • Scarlet Sage

Annuals, except where otherwise noted

Familiar bedding plants, covered with bloom throughout the summer. Sow seeds from February to April indoors.

Ostrich-Plume (Double Salvia). 2 ft. The habit resembles the Splendens type but the bush is well covered with plumes of blossoms. As a cut-flower, one of these scarlet plumes alone makes a delightful decoration. Pkt. 25 cts., 5 pkts. \$1, 1/8oz. \$1.50.

Harbinger. 15 in. A true, dwarf, large-flowering Salvia which commences blooming in July from early-sown seed. Beautiful symmetrical plants, densely clothed with long sprays of large, brilliant scarlet flowers. Pkt. 25 cts., 1/8oz. \$1.25, 1/4oz. \$2.

America or Globe of Fire. 2 ft. Bushy plants with large spikes of brilliant scarlet flowers thrown well above the plant. Pkt. 25 cts., 1/8oz. \$1.25, 1/4oz. \$2.

Scarlet Dragon. 2 1/2 ft. Improved Splendens type; flowers are nearly double the size, closely crowding the immense spikes. Pkt. 15 cts., 1/8oz. 75 cts., 1/4oz. \$1.25.

Splendens (Scarlet Sage). 2 1/2 ft. Bright scarlet. Pkt. 10 cts., 1/4oz. 75 cts., oz. \$2.50.

Bonfire. 2 1/2 ft. Compact bushes produce brilliant scarlet flowers. Pkt. 10 cts., 1/8oz. 75 cts., 1/4oz. \$1.25, oz. \$4.

Zurich. 2 ft. Valuable because of its earliness. Pkt. 25 cts., 1/8oz. \$1, 1/4oz. \$1.75.

Blaze of Fire. 1 ft. The dwarfest of all bright scarlet Salvias, and by far the most brilliant. Ten to fourteen days earlier than the varieties used hitherto; the best bedding variety. Pkt. 50 cts., 3 pkts. \$1.25.

The Welwyn Salvias

These are 3 feet high and are entirely covered with large blooms. Invaluable for green-garden effect before the blooming period.

Welwyn Pink. A charming hue.

Welwyn White. Perfect pure white.

Each, pkt. 35 cts., 3 pkts. \$1

Purple Splendens. 2 1/2 to 3 ft. Uniform; covered with purple flowers. Pkt. 25 cts., 5 pkts. \$1, 1/8oz. \$1.50.

Horminum. 2 ft. Pale violet-blue Salvia. Pkt. 10 cts., 1/4oz. 50 cts.

Patens (Blue Sage). 2 ft. Deep blue. Beautiful garden or greenhouse tender perennial. Pkt. 15 cts., 1/8oz. 75 cts., 1/4oz. \$1.25.

Patens, Mauve Queen. 2 ft. A valuable new color for bedding—helio-mauve. Treat as an annual, sowing seed early and transplanting. Pkt. 50 cts., 3 pkts. \$1.25.

Sclarea (Clary). Perennial, treated as an Annual. 2 ft. Curious lavender bracts. Pkt. 10 cts., 1/4oz. 50 cts.

Azurea grandiflora. Perennial. 3 1/2 ft. Sky-blue flowers in August and September. Pkt. 15 cts., 1/8oz. 60 cts., 1/4oz. \$1.

Farinacea. Perennial, treated as an Annual. 2 1/2 ft. Seeds sown in May bloom from July to frost. Light blue. Pkt. 15 cts., 1/8oz. 60 cts., 1/4oz. \$1.

Farinacea, Blue Bedder. Perennial, treated as an Annual. 3 ft. Sown early in spring produces flowers from July to October. Compact, and deeper blue. Fine for cutting. Pkt. 25 cts., 1/8oz. \$1, 1/4oz. \$1.50.

Farinacea, Royal Blue. See page 14. Pkt. 35 cts., 3 pkts. \$1.

Dichroa magnifica. Perennial. 3 ft. Stately plants with spikes of lavender-white flowers. Pkt. 35 cts., 3 pkts. \$1.



Salvia, Blaze of Fire

SALPIGLOSSIS • Painted Tongue

Annual. The funnel-shaped blooms reveal exquisite markings or veins running through the groundwork of the flowers. Sow in open in spring; or earlier in a hotbed or sunny window, and transplant.

Superbissima Hybrids

ORCHID-FLOWERING (Height 3 feet)

Brown and Gold	Purple and Gold
Crimson	Scarlet and Gold
Light Blue and Gold	Rose and Gold
Primrose	Velvety Violet

Each, pkt. 15 cts., 1/4oz. 75 cts., oz. \$2
COLLECTION: Pkt. each, above 4 colors, \$1

Finest Mixed. A mixture of all the above shades. Pkt. 10c., 1/4oz. 50c., oz. \$1.50.

New Dwarf Giant-flowering

Height 2 feet

Khaki Yellow	Brown and Gold
Blue and Gold	Velvety Crimson
Bright Scarlet	Scarlet and Gold
Red Star Chamois	Blue and Silver
	Velvety Violet

Each, pkt. 25 cts., 1/4oz. \$1, oz. \$3.50
COLLECTION: Pkt. each, above 9 colors, \$1.75

Dwarf Giant-flowering, Mixed. Pkt. 15 cts., 1/4oz. 75 cts., oz. \$2.50.

SANTOLINA incana (Lavender Cotton). 2 ft. Evergreen, aromatic perennial with hairy gray foliage and globular yellow flowers. Pkt. 35 cts., 3 pkts. \$1.

SANVITALIA procumbens fl.-pl. Annual. 6 in. Useful in beds, edges of borders, or in vases. Showy, double, yellow flowers. Pkt. 15 cts., 1/4oz. 60 cts., oz. \$2.

SAPONARIA caucasica fl.-pl. (Bouncing Bet). Perennial. 15 in. A double sort with white flowers tinted rose. Pkt. 20 cts., 1/4oz. 75 cts., oz. \$2.50.

Ocymoides. Perennial. 9 in. A hardy rock-plant producing masses of small, bright rose flowers. Pkt. 10 cts., oz. 60 cts.

Vaccaria, Rose. Annual. 2 ft. Satiny pink flowers somewhat like an enlarged gypsophila. Pkt. 10 cts., oz. 30 cts.

Vaccaria, White. Pkt. 10 cts., oz. 30 cts.

SCABIOSA

Mourning Bride; Pincushion Flower

Beautiful plants with beehive-shaped flower-heads, growing about 2½ feet high and in bloom mostly from early in July until frost. Sow seeds in the open in spring.

Tall Annual Varieties

COLLECTION No. 27B: Pkt. each 8 sorts below marked (*), 60 cts.

Loveliness. The blooms range through varying tones of soft delicate rose. Unsurpassed as a cut-flower, having long, stiff stems and delightful fragrance.

Cattleya. A new shade—rich rosy lilac of the beautiful orchid tone. Large flowers.

Peach Blossom. New shade of peach-blossom-pink. Flowers large, borne on long stems, and excellent for cut-blossoms.

Above 3, pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50

***Shasta.** Pure white, with immense blooms 3 to 4 inches in diameter.

***Rosette.** Beautiful deep rose, suffused with salmon; extra-large flowers.

***Salmon Beauty.** Vigorous plant and enormous flowers. Color is pure salmon.

Above 3, pkt. 20 cts., ¼oz. 60 cts., oz. \$2

Orchid Shades, Mixed. Beautiful cut-flower for both florist and amateur. Blooms are large and on long stems; colors include mother-of-pearl pink, light pink, dark pink, mauve, crushed strawberry, and others. Pkt. 10 cts., ¼oz. 50 cts., oz. \$1.50.

Following are described on page 14:

Peace. Pkt. 25 cts., ¼oz. \$1, ¼oz. \$1.50.

Heavenly Blue. Pkt. 25 cts., ¼oz. \$1, oz. \$3.50.

***Blue Moon.** Pkt. 20 cts., ¼oz. 60 cts., oz. \$2.

Royal Cockade Rose Cockade
White Cockade

Above 3, each, pkt. 35 cts., 3 pkts. \$1

Six Distinct Colors

Azure Fairy. Lavender-blue.

King of the Blacks. Purplish black.

Rich Red. White.

Shell-Pink. Yellow.

Each, pkt. 10 cts., ¼oz. 50 cts., oz. \$1.50

COLLECTION: Pkt. each, above 6 varieties, 50c.

Tall Mixed. **Dwarf Mixed.**

Each, pkt. 10 cts., ¼oz. 30 cts., oz. \$1

Dwarf Annual Varieties

Coral Rose. 8 in. Small, compact plant. The individual flowers are large and their color is a hue of coral between salmon and rose. Pkt. 15 cts., ¼oz. 60 cts., oz. \$2.

Fiery Scarlet. 1½ ft. Brilliant scarlet-cerise hues. Pkt. 15 cts., ¼oz. 60 cts., oz. \$2.

Perennial Varieties

Giant Hybrids (Isaac House Strain), Mixed. 3 ft. Larger flowers on longer stems. The colors are varied: lilac, lavender, violet, purple, mauve, light and dark blue, and white. Pkt. (50 seeds) 35 cts., ½oz. \$1.25, ¼oz. \$2.

Caucasica (Blue Bonnet). 3 ft. Especially valuable for cutting; lilac-blue. Pkt. 15 cts., ½oz. 60 cts., ¼oz. \$1.

Caucasica alba. Pure white; 3 ft. Pkt. 15 cts., ½oz. 60 cts., ¼oz. \$1.

Japonica. Bushy plants 2½ feet high, bearing on long stems beautiful, lavender-blue flowers. Pkt. 10 cts., ¼oz. 30 cts., oz. \$1.

Fischeri. 2 ft. The flowers are about 2½ inches in diameter, borne on long, stiff stems, and are of a rich deep violet-blue shade. Pkt. 50 cts., 3 pkts. \$1.25.



Schizanthus

SAXIFRAGA cordifolia. Perennial. 9 in.

Well-known rock-garden plant with pink flowers. Pkt. 35 cts., 3 pkts. \$1.

SCHIZANTHUS (Fringe Flower; Butterfly Flower). Annual. Heads of pretty, irregularly shaped, notched and blotched flowers, like small butterflies. Although grown largely as a greenhouse plant, this annual is also of easy culture outdoors.

Canadian Super-Giants. Blooms 2 inches across! Rich colorings and unusual markings; distinct. Pkt. \$1, 3 pkts. \$2.50.

Giant-flowering Hybrids, Mixed. 15 in. Used by many professional gardeners and florists as a splendid pot-plant and cut-flower. Pkt. 50 cts., 3 pkts. \$1.25.

Wisetonensis. 15 in. Beautiful appearance, with its myriads of blooms, the ground-color of which is white, dotted with rose. Pkt. 25 cts., 5 pkts. \$1, ¼oz. \$2.

Dwarf Hybridus grandiflorus. 1 ft. Compact habit; great range of bright, pretty colors. Pkt. 25 cts., ¼oz. \$1, oz. \$3.50.

Snowflake. Large, pure white, fringed flowers. Pkt. 50 cts., 3 pkts. \$1.25.

SCHIZOPETALON Walkeri. 1 ft. Easily grown annual with attractive fringed white blossoms which are fragrant at night. Pkt. 50 cts., 3 pkts. \$1.25.

SCUTELLARIA coelestina (Helmet Flower; Skull Cap). Foot-high perennial for the rock-garden, with racemes of attractive blue flowers. Pkt. 25 cts., 5 pkts. \$1.

SEDUM (Stonecrop). Perennial. Dwarf hardy plants for the rock-garden and for carpet bedding.

Acre. Yellow; 6 in. **Album.** White; 6 in.

Middendorffianum. Yellow with dark foliage; 6 in.

Spurium. Rose; 6 in.

Stoloniferum coccineum. Scarlet; 6 in.

Each, pkt. 35 cts., any 3 pkts. \$1

SENECIO clivorum, Orange Queen (Groundsel). Perennial. Forms a neat clump 4 feet high, on which develop yellow flowers. Pkt. 25 cts., ¼oz. \$1, oz. \$3.50.

Jacobaea (Tansy Ragwort). Annual. 2 ft. Groundsel-like flowers.

Pink Purple Red Yellow

Each, pkt. 35 cts., 3 pkts. \$1

SHAMROCK. (True Irish.) Sow under glass around January 10 to have a supply of plants in pots by March 17. Pkt. 10 cts., ¼oz. 25 cts., oz. 75 cts.

SHORTIA californica. 9 in. Trailing annual with yellow everlasting flowers, used as an edging or rockery plant. Pkt. 50 cts., 3 pkts. \$1.25.

SIDALCEA (Checkerbloom). Perennial. Erect, mallow-like plants of easy culture. **Rosy Gem.** 3 ft. Pkt. 15 cts., ¼oz. 60 cts. **Stark's Hybrids.** Brightly colored. Useful for cutting. Pkt. 25 cts., ¼oz. \$1.

SILENE pendula, Mixed (Catchfly). Annual. 6 in. Red, pink, or white flowers. Pkt. 10 cts., ¼oz. 30 cts.

Alpestris. Perennial. 4 in. White flowers all summer. Pkt. 15 cts., 2 pkts. 25 cts.

Schafta (Autumn Catchfly). Perennial. 4 to 6 in. Bright pink flowers from July to September. Pkt. 15 cts., 2 pkts. 25 cts.

SISYRINCHIUM anceps (Satin Flower; Blue-eyed Grass). 1 ft. Native perennial for the rock-garden, with violet-blue flowers. Pkt. 35 cts., 3 pkts. \$1.

SKIMMIA japonica. 4 ft. Greenhouse evergreen plant with fragrant white flowers, followed by red fruits. Pkt. 35 cts.

SOLANUM Capsicastrum (Jerusalem Cherry). Greenhouse Plant. 1 ft. Dwarf, branching plants; bright scarlet globular berries. Pkt. 15 cts., 2 pkts. 25 cts.

Capsicastrum, Fra Diavolo. Greenhouse Plant. Compact growth, with smaller and lighter foliage. Pkt. 25 cts., 5 pkts. \$1.

Clevelandi. Compact plant with small, ovate leaves and a profusion of round scarlet fruits. Pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50.

Seaforthianum. Greenhouse shrubby vine with cymes of purple flowers. Pkt. 50 cts., 3 pkts. \$1.25.

SOLDANELLA alpina (Moonwort; Jewel of the Alps). Perennial for a shaded part of the rock-garden. Clusters of drooping pale blue bells. Pkt. 50 cts., 3 pkts. \$1.25.

SOLLYA heterophylla (Australian Creeping Bluebell). 5 ft. Greenhouse perennial with clusters of nodding blue blooms. Foliage evergreen. Pkt. 50 cts., 3 pkts. \$1.25.

STACHYS lanata (Woundwort; Lamb's-Ear). 1½ ft. Ornamental bedding perennial with whitish woolly leaves and dark rose-purple flowers. Pkt. 25 cts., 5 pkts. \$1.

STAR of TEXAS (*Xanthisma texanum*). See page 15. Pkt. 35 cts., ¼oz. \$1.50.

STATICE • Sea Lavender

Annual and Perennial; Everlasting. Cloud-like flowers make borders gay, while they blend well with other Everlastings in winter. Sow outdoors in May.

Annual Varieties

Sinuata, Kampf's. Large blue flowers. Pkt. 15 cts., ¼oz. 35 cts., oz. \$1.25.

Sinuata, Mauve. Clear mauve; 2 ft.

Sinuata, Rose Superba. Rose; 2 ft.

Sinuata, Blue. Rich deep blue; 2½ ft.

Sinuata, White. Excellent for dyeing.

Sinuata, Yellow (*S. Bonduelli*). 3 ft.

Sinuata, Mixed.

Suworowi. Cloud-like masses of rose; 2 ft. Each, pkt. 10 cts., ¼oz. 30 cts., oz. \$1

Perennial Varieties

Dumosa. 2 ft. Color effect is pure silver. Pkt. 25 cts., ½oz. \$1, ¼oz. \$1.50.

Latifolia. Blue; 2½ ft. Pkt. 15 cts., ¼oz. 75 cts., oz. \$2.50.

Mixed. Pkt. 15 cts., ¼oz. 60 cts., oz. \$2.

STENANTHIUM robustum (Feather-Fleece). Perennial for group planting, growing 5 feet high, with panicles of white fleecy flowers. Pkt. 75 cts., 3 pkts. \$2.

STEVIA serrata (*Piqueria trinervia*). Greenhouse and Bedding Plant. 2 ft. Fragrant, pure white flowers. Excellent for cutting. Pkt. 15 cts., ¼oz. 75 cts.

IMPROVE YOUR LAWN

with occasional dose of LAWNSPREAD. May be used at any time of the year. Unit of 25 pounds treats 400 square feet and costs \$2.

STOCKS

Fragrant and showy plants of simple culture. For the garden and greenhouse.

S. & W. Co.'s Early Giant Imperial

These bloom very quickly and continue through the summer. Plants are of branching habit, 2 to 2½ feet high.

- **Antique Copper.** Rich hellebore-red, overlaid with copper. Fully double.
- **Buttercup.** An improved new yellow Stock of a rich deep tone.
- **Elk's Pride.** An intense royal purple; sweetly perfumed, double flowers.
- **Shasta.** A new, glistening, giant white, with longer stems and more blooms to the stem.
- **Chamois-Rose** **Blood-Red**
- **Apple Blossom** **Deep Rose**
- **Dark Blue** **Old-Rose**
- **Lavender** **Mixed**

Each, pkt. 25 cts., ⅛ oz. 75 cts., ¼ oz. \$1.25

COLLECTION:

Pkt. each of 4 varieties marked •, \$1.25

NON-BRANCHING or COLUMNAR TYPE. For greenhouse forcing. A high percentage of double flowers are carried on the handsome, single-stem plants. 3 feet.

- **Chamois-Rose** **Pure White**
- **Crimson** **Purple**
- **Deep Rose** **Silvery Lilac**
- **Light Blue** **Mixed**
- **Moonlight.** Yellow.

Each, pkt. 75 cts., 3 pkts. \$2

Following described on page 15:

Gardenia **Yellow Wonder**

Each, pkt. 75 cts., 3 pkts. \$2

SUPER-GIANT IMPERIAL. Basal-branching, each plant produces twelve giant flower-spikes. Individual florets are double and 2 inches across. Height, 3 feet.

Blush-Pink **Fiery Red**
Dark Blue **Rose Charm.** Rich deep rose.
 Roselight. Rose-pink.

Above 5 sorts, each, pkt. 35 cts., ⅛ oz. \$1.25, ¼ oz. \$2

Giants of California

Ideal new greenhouse type with long flower-spikes. 70% double-blooming plants may be looked for. Quick-growing, immense florets, and especially good colors.

Golden Gate. Yellow. **Monterey.** Pink.
Redwoods. Blood-red. **Pacific.** Blue.
Santa Barbara. Chamois. **Tahoe.** Lavender.
Santa Maria. White. **Yosemite.** Rose.
Sequoia. Rose-carmine. **Mixed.**

Each, pkt. 35 cts., ⅛ oz. \$1, ¼ oz. \$1.75

Mojave. See page 15. Pkt. 35 cts., ⅛ oz. \$1.25, ¼ oz. \$2.

STOKESIA cyanea (Cornflower Aster). *Perennial.* 2 ft. Bears from 20 to 30 handsome lavender-blue cornflower-like blossoms which often measure 3 to 4 inches in diameter. Blooms from July till frost. For the perennial border and for cutting. Pkt. 15 cts., ¼ oz. \$1.

ALPINE STRAWBERRIES. From Seed. An abundance of small but exceedingly sweet berries may be obtained within 12 weeks of sowing seed. Sow indoors in February or March; keep moist and shaded. Plant out in early May.
Baron Solemacher. Red fruits.
Baron Solemacher. Yellow fruits.

Each, pkt. 35 cts., 3 pkts. \$1

Plants of **Alpine Strawberries** (Red fruits only), ready May 1. \$1.50 per doz., \$8 per 100.



Giant Imperial Stocks

Giant-flowering Beauty Stocks

We have discontinued offering these as the other sorts, in the opinion of most of our customers, are superior for all purposes.

Special Cultural Note

Stocks for outdoor blooming should be sown early so as to reach the bud stage before the average temperature exceeds 60° F., otherwise the bud very often will not develop and an excessive leaf-growth will result.



Double Sweet William

STRELITZIA Reginae (Bird-of-Paradise). 6 ft. Majestic greenhouse perennial with remarkable orange and blue flowers. Pkt. (10 seeds) \$1.50.

STREPTOCARPUS, S. & W. Co.'s New Hybrids, Mixed (Cape Primrose). *Greenhouse Plant.* Flowers about 2 inches in diameter, with long, tube-like corollas, borne in clusters of six to eight. Colors varied. Somewhat resembles the gloxinia. Pkt. 50 cts., 3 pkts. \$1.25.

STREPTOSOLEN Jamesoni. *Greenhouse Perennial.* 4 ft. Clusters of orange flowers valuable for cutting. Pkt. \$1.

SUTHERLANDIA frutescens. *Greenhouse Plant.* 2½ ft. Whitish foliage and orange-red flowers followed by bladder-like pods. Pkt. 25 cts., 5 pkts. \$1.

SWEET WILLIAM (*Dianthus barbatus*)

Biennial. Well-known, attractive plant flowering the second season from seed. Sow outdoors in May; transplant in August.

Single White **Single Dark Crimson**
Copper-Red **Red, Edged White**
Black-Red **Single Mixed**

Each, pkt. 10 cts., ¼ oz. 50 cts.

COLLECTION: One pkt. each, 5 colors, 40 cts.

Double White **Double Black-Red**
Double Crimson **Double Pink**
Double Finest Mixed

Each, pkt. 15 cts., ¼ oz. 60 cts., oz. \$2

Newport Pink. 1½ ft. Watermelon-pink, brilliant and beautiful. Flowers on long stems. Pkt. 15 cts., ¼ oz. 50 cts., oz. \$1.50.
Scarlet Beauty. Rich, deep scarlet; vivid. Pkt. 15 cts., ¼ oz. 50 cts., oz. \$1.50.

Holborn Glory. Large auricula-eyed flowers. All show a clear white eye; truly superb. Pkt. 10 cts., ¼ oz. 30 cts., oz. \$1.

Dwarf Sweet Williams. Height 9 in.
Single, Mixed **Double, Mixed**
Each, pkt. 15 cts., ¼ oz. 60 cts., oz. \$2

Annual Sweet Williams. 9 in. Sown indoors during March, these will bloom freely the first year. **Mixed.** Pkt. 15 cts., ¼ oz. 60 cts., oz. \$2.

TAGETES signata pumila, Little Giant. *Annual.* 10 in. Compact plant, with fern-like leaves. Covered with flowers of bright yellow, striped brown. Pkt. 15 cts., ¼ oz. 60 cts., oz. \$2.

Gnome. 6 in. A large-flowered variety with beautiful golden yellow flowers. Pkt. 15 cts., ¼ oz. 50 cts., oz. \$1.50.

TAHOKA DAISY. Sow in the open in early spring to produce plants which will bear 1½-inch blue daisies from July to October. Pkt. 25 cts., ⅛ oz. \$1, ¼ oz. \$1.50.

TEUCRIUM Chamædrys (Germander). *Perennial.* 8 in. Glossy gray foliage and small pink flowers. Pkt. 25 cts., 5 pkts. \$1.
Incanum. White-flowering matting plant for "crazy" pavement. Pkt. 50 cts., 3 pkts. \$1.25.

THALICTRUM adiantifolium (Meadow Rue). *Perennial.* 1½ ft. Foliage resembles the maidenhair fern; clusters of miniature white flowers in June and July. Pkt. 10 cts., ¼ oz. 50 cts., oz. \$1.50.

Aquilegifolium. 3 ft. Columbine-like leaves. Small rosy purple flowers. June, July. Pkt. 15 cts., ¼ oz. 75 cts.

Dipterocarpum. 3 ft. A gem among hardy plants; attractive in the garden and invaluable for cutting. Flower sprays are violet-mauve, brightened by a cluster of lemon-yellow stamens. Pkt. 25 cts., ⅛ oz. 60 cts., ¼ oz. \$1.

Early- or Winter-Flowering Sweet Peas

Popular as greenhouse subjects, they may be sown also in the garden in spring for earliest bloom outdoors. They are particularly adapted to sections where the Summer-flowering Spencer varieties have not proved satisfactory. In our southern states, if sown during the early fall months, they will produce flowers during the winter and continue until killed by the heat of summer.

Outstanding Varieties

Azalea Pink. Large blooms, chamois-pink in color, warm and positive, are carried on long, strong stems. Distinct and superior variety. Pkt. 35 cts., 1/2oz. \$1.25, oz. \$2.

Blue Bonnet. Beautiful, clear deep blue color and large. No trace of mauve. Pkt. 15 cts., 1/2oz. 30 cts., oz. 50 cts.

Cavalcade. This is a very lively color—a fine golden cerise on a white ground. An excellent and novel variety. Pkt. 15 cts., 1/2oz. 35 cts., oz. 60 cts.

Celestial. The blooms are a charming cerise-salmon-rose which discloses a suffusion of coral under artificial light. They are carried, four at a time, on 12 to 14-inch stems. The plants are especially vigorous. Pkt. 35 cts., 1/2oz. \$1.25, oz. \$2.

Delicious. Color is crushed strawberry and cream. Its habit, stem length, and shape of flower are everything that they should be. Pkt. 15 cts., 1/2oz. 30 cts., oz. 50 cts.

Early Daphne. Usually carries four flowers on a stem. In color it is a soft salmon-pink on a deep cream ground. Awarded Silver Medal at 1937 New York Flower Show. Pkt. 15 cts., 1/2oz. 40 cts., oz. 75 cts.

Gardenia. A velvety pure white that has such waxy substance that to name it "Gardenia" seems the obvious thing to do. It is duplexed and highly fragrant. Pkt. 35 cts., 1/2oz. \$1.25, oz. \$2.

Hiawatha. A thrifty habit of growth, good size and extreme beauty combine in this new long-stemmed sort. An effective rose-pink. Pkt. 15 cts., 1/2oz. 40 cts., oz. 75 cts.

Hortus Queen. Robust sort, developing long, strong stalks, bearing the most perfect Spencer blooms, strongly ruffled and bright rose on a light yellow ground. Pkt. 15 cts., 1/2oz. 40 cts., oz. 75 cts.

Iris Blue. Strong-growing sort with heavy stem which carries four large 2-inch flowers. The color is deep blue, with lighter wings. Pkt. 15 cts., 1/2oz. 30 cts., oz. 50 cts.

Joseph. Pleasing soft salmon-pink, clear and bright. Vigorous plants, with long stems and well-placed flowers. A good new sort. Pkt. 15 cts., 1/2oz. 30 cts., oz. 50 cts.

Navy Blue. This new and vigorous introduction is a wonderful rich dark blue, a color long wanted in the early class. Pkt. 15 cts., 1/2oz. 30 cts., oz. 50 cts.

Pearl Buck. Beautiful rich rose, with an orange suffusion on the standards which are duplexed. Pkt. 15 cts., 1/2oz. 40 cts., oz. 75 cts.

Peeress. Thrifty plant, developing a large crop of blooms, mostly four on a stalk. Charming tint of bright rose-cerise. Pkt. 15 cts., 1/2oz. 40 cts., oz. 75 cts.

Princess Blue. Vigorous, husky growth is characteristic of the vines; they carry large, bold flowers of a rich belladonna-blue. Pkt. 15 cts., 1/2oz. 40 cts., oz. 75 cts.

Red Giant. True crimson flowers, with the luster and warmth of an orange-scarlet. The best of this class introduced to date, for there is only a minimum amount of white on the base of the keel. Pkt. 35 cts., 1/2oz. \$1.25, oz. \$2.

Rose Picotee. Clear white flower with an edging of salmon-pink. Definitely a new color. Pkt. 15 cts., 1/2oz. 30 cts., oz. 50 cts.

Rhumba. The romance of Latin-America is suggested by its gay golden cerise color. A fine new sort that produces well. Pkt. 35 cts., 1/2oz. \$1.25, oz. \$2.

Skippy. The color is salmon-pink, and four or five blooms on each stalk may be expected. Pkt. 15 cts., 1/2oz. 40 cts., oz. 75 cts.

Spring-flowering Sweet Peas

Described on page 14

Rose-Pink	Blue	Lavender
Each, pkt. 25 cts., 1/2oz. \$1, oz. \$1.50		

Clear Pink	White	Mauve
Each, pkt. 25 cts., 5 pkts. \$1		

COLLECTION: One pkt. each 5 colors, \$1.25

Sparks. Large, bold, orange-scarlet flowers with wide-spreading frilled standards. Pkt. 35 cts., 1/2oz. \$1.25, oz. \$2.

Tahoe. This exceptionally vigorous plant carries large, self-colored flowers of mid-blue. Pkt. 15 cts., 1/2oz. 30 cts., oz. 50 cts.

Top Hat. The large and waved flowers are a velvety deep violet; long, stiff stems. Pkt. 15 cts., 1/2oz. 30 cts., oz. 50 cts.

Treasure Island. Orange blooms are semi-duplexed, 2 1/2 inches across, often 4 on each 15-inch stem. Pkt. 15 cts., 1/2oz. 40 cts., oz. 75 cts.

Twilight. Four blooms per stem is the usual thing, and their color is a beautiful, appealing lavender. Pkt. 35c., 1/2oz. \$1.25, oz. \$2.

Virginia. Mammoth flower—it is 2 1/2 inches across—rich rose-pink on a white ground. Pkt. 15 cts., 1/2oz. 30 cts., oz. 50 cts.

White Giant. Purest white flowers, large and waved. White seed. Pkt. 15 cts., 1/2oz. 30 cts., oz. 50 cts.

World's Fair. Flowers ruffled and mostly duplexed. The color is bright gold, overlaid with fawn, giving a light fawn-pink effect. Pkt. 15 cts., 1/2oz. 40 cts., oz. 75 cts.

Other Good Sorts

Clipper. Pure white; duplexed.

Early Florist Blue. Clear hue.

Early Giant Rose. Rose-pink.

Early Majestic Rose. Deep rose-pink.

Early Mars. Ox-blood-crimson.

Early Snowstorm. Good white; vigorous.

Early Triumph. Beautiful lilac-mauve.

Evening Star. Orange-scarlet.

Exposition Pink. Rich pink.

Florist Rose. Pure rose-pink.

Lavanda. Pure lavender.

Lively. Scarlet-cerise.

Shirley Temple. Soft rose-pink.

Valencia. Bright orange; sunproof.

White Harmony. Fine black-seeded white.

Zvolanek's Rose. Deep rose-pink.

Early-flowering Mixed.

Each, pkt. 15 cts., 1/2oz. 30 cts., oz. 50 cts.

Summer-Flowering Sweet Peas

For Growing in the Garden

CULTURE.—Sow seed as soon as the ground can be worked in the spring. Dig a trench about a foot wide and deep, and fill in with 6 inches of well-rotted stable manure; tread down firmly and replace the good garden soil. Draw a single straight line in the middle of the prepared surface, about 3/4 inch deep; sow seed at even distances of about 3 inches, and cover. When the plants grow about 3 or 4 inches high, thin out to 6 inches from each other. As soon as the vines reach a height of about 8 inches, proper supports should be provided.

The Sweet Pea is a moisture-loving plant, and by the month of May the plants will require water. Dress with Mulch-o-Nure, old stable manure, Sawconure or peat moss and soak well as needed.

***Abundance.** Remarkable new variety; six to nine flowers are produced in a spray. They are fairly large and of an orchid-like mauve color. Pkt. 10 cts., oz. 35 cts.

Affection. Very sweet and graceful, coral-pink on cream, growing strongly and producing its flowers on long stems—often five to a stem. Pkt. 10 cts., oz. 35 cts.

Ambition. One of the best of the large-flowered lavender sorts. The flowers are waved. Pkt. 10 cts., oz. 35 cts.

Artiste. Handsome, glowing clear geranium-pink of great beauty. Wings and standards are alike in color. Frequently four flowers to the stem, and the stems are long. Pkt. 10 cts., oz. 35 cts.

***Bonnie Ruffles.** The large, fragrant flowers are salmon-pink on rich cream, and they are borne on sturdy 10-inch stems. A vigorous grower, Bonnie Ruffles won the Gold Medal, Scottish National Sweet Pea Society in 1936. Pkt. 10 cts., oz. 35 cts.

Bountiful. See page 14. Pkt. 10 cts., oz. 35 cts.

***Bridal Veil.** Clear, chaste, pure white. The giant flowers are beautifully frilled. Many are duplexed. Black seed. Pkt. 10 cts., oz. 35 cts.

***Capri.** We believe this to be the finest light blue ever introduced. The color is clearer and the flowers are larger than existing varieties. Pkt. 10 cts., oz. 35 cts.

Charity. This is, without a doubt, the finest rich brilliant crimson which does not burn in the sun. Pkt. 10 cts., oz. 35 cts.

Chinese Blue. Both standard and wings are a uniform, true, deep blue. Stems are exceptionally long and usually bear four flowers throughout the plant. Unusually strong-growing variety, with blooms larger than average. Pkt. 10 cts., oz. 35 cts.

***Crony.** New strong-growing golden salmon sort for exhibition. Awarded the Certificate of Merit of the Scottish Sweet Pea Society in the 1938 trials. Pkt. 10 cts., oz. 35 cts.

Daddy Long Legs. See page 14. Pkt. 20 cts., oz. 75 cts.

Summer-Flowering Sweet Peas

For Growing in the Garden

Diana. Immense flowers, in color a delicate rose-pink on a cream ground.

They are duplexed and are carried on long stems. Pkt. 10 cts., oz. 35 cts.

Discovery. The color is very bright and deep chamois-pink and the blooms are enormous. Pkt. 10 cts., oz. 35 cts.

Eventide. Eosine-pink with a gold shading. Large, vigorous, and fine. Modern sort, exemplifying the latest development in Sweet Peas. Pkt. 10 cts., oz. 35 cts.

***Fairyland.** Rose-pink on cream. A good, rugged sort carrying 4 and 5 flowers on long, stout stems. Pkt. 10 cts., oz. 35 cts.

***Flagship.** This won the Silver Medal of the Scottish Sweet Pea Society in 1937. Long stems carry large, frilled blooms of a clear, deep blue. Pkt. 10 cts., oz. 35 cts.

Flora. The outstanding lavender variety. Color is clear lavender-lilac and the flowers are exceptionally large. A strong, vigorous variety, producing flowers on long stems. Pkt. 10 cts., oz. 35 cts.

Golden Dragon. Duplex sort of great merit. The standard is bright orange while the wings shade to a deeper orange-rose. Pkt. 10 cts., oz. 35c.

Grandeur. Shell-pink on white. The vigorous plant blooms continuously all season. Pkt. 10 cts., oz. 35 cts.

Horn of Plenty. See page 14. Pkt. 10 cts., oz. 35 cts.

Ideal. See page 14. Pkt. 20 cts., oz. 75 cts.

***King Lavender.** The most vigorous in this hue of light clear blue. Large flowers. Pkt. 10 cts., oz. 35 cts.

Lady Ruffles. The warm glow of beautiful soft pink on a ground of white runs down to the base of the standard and wings. A robust variety. Pkt. 10 cts., oz. 35 cts.

***Life.** The brightest and most effective scarlet-cerise. Flowers freely and is decidedly sunproof. Pkt. 10 cts., oz. 35 cts.

Mastercream. The stems are long, and they carry beautifully frilled flowers, most of which are duplexed and cream in color. Black seed. Pkt. 10 cts., oz. 35 cts.

Maytime. Combined hues produce a rich tone—cerise with a golden overtone. Pkt. 10 cts., oz. 35 cts.

Model. A very large-flowering white with long stems. The blossoms are well waved. Seed is black. Pkt. 10 cts., oz. 35 cts.

Peer. Orange-pink on cream; vigorous plant. A.M., National S.P. Society. Pkt. 10 cts., oz. 35 cts.

Peggy Ann. A distinct, rare, and new shade in salmon-pink—clear and glowing. Especially fine under artificial light. Delightfully fragrant. Pkt. 10 cts., oz. 35 cts.

Personality. A charming coral-chamois-pink that is quite sunproof. Vigorous and floriferous variety. Pkt. 10 cts., oz. 35 cts.

Pinkie. Strong stems bear a profusion of flowers throughout the season. Deep rose-pink. Pkt. 10 cts., oz. 35 cts.

Pirate Gold. A new tint of deep golden orange that is most pleasing. The large blossoms are very resistant to strong sunlight. Pkt. 10 cts., oz. 35 cts.

***Prolific.** Multiflora type. Clusters of 5, 6, or 7 medium-large flowers. Standards rose-pink, outside of wings a shade deeper. Pkt. 10 cts., oz. 35 cts.

Rarity. See page 14. Pkt. 20 cts., oz. 75 cts.

Red Supreme. See page 14. Pkt. 15 cts., oz. 50 cts.

Collection of Outstanding Summer-flowering Sweet Peas

Twelve packets, one each of the recent introductions of merit, distinguished in the preceding list with an asterisk (*) \$1.00

Grand Prize Mixture Giant Summer-flowering Sweet Peas

We have made a carefully balanced selection of all colors and varieties of our Summer-flowering Sweet Peas for this mixture, using only the finest ruffled and long-stemmed sorts. For general use and garden display, Sweet Pea mixtures of this high type are quite satisfactory. Pkt. 10 cts., oz. 25 cts., 1/4lb. 75 cts., 1/2lb. \$1.25, lb. \$2.25.

LEGUME-AID. Nitrogen-fixing bacteria in powder form for all leguminous plants. Small garden unit for packets of sweet peas, garden peas, beans and lupins, 25 cts.

Royal Purple. Without a doubt this is the finest rich royal purple. A large-flowering variety. Pkt. 10 cts., oz. 35 cts.

Royal Ruffles. Pleasing new shade of scarlet-cerise; wings somewhat lighter than the standard. Pkt. 10 cts., oz. 35 cts.

Ruffled White. See page 14. Pkt. 10 cts., oz. 35 cts.

Salmon Gigantic. See page 14. Pkt. 15 cts., oz. 50 cts.

Sextet Queen. Pure white. Has five to six blooms on a stalk. Pkt. 10 cts., oz. 35 cts.

Siesta. See page 14. Pkt. 20 cts., oz. 75 cts.

Stylist. An improved Pinkie. Blooms are clear, deep rose-pink. Pkt. 10 cts., oz. 35c.

Special Color Collection of Sweet Peas, Ten Colors

For the gardener who desires to grow the best Sweet Peas, but is not interested in names. Each is the most pleasing of its color, with long flower-stalks, suitable for house decoration. Each is robust, and a sort which, under favorable conditions, produces sprays of three and four fragrant blossoms.

Cream	Cream-Pink	Scarlet
Lavender	Blue	Salmon-Pink
Purple	White	Carmin
	Light Pink	

Each, pkt. 10 cts., oz. 35 cts., 1/4lb. \$1.25

SPECIAL COLLECTION
One pkt. each of these 10 distinct colors **75c**



Sweet Afton. See page 14. Pkt. 15 cts., oz. 50 cts.

The Sultan. Almost black—deep silky maroon. Large flowers on long, strong stems. Pkt. 10 cts., oz. 35 cts.

Tops. See page 14. Pkt. 20 cts., oz. 75 cts.

Violet Banner. See page 14. Pkt. 10 cts., oz. 35 cts.

Vista. The best purple, with little trace of blue. Large flowers on long stems. Pkt. 10 cts., oz. 35 cts.

***Welcome.** Brilliant and dazzling scarlet self. Wings are the same shade as the standard. Pkt. 10 cts., oz. 35 cts.

***Yellow Tip.** Near yellow. Flowers are large, well balanced, and the plant grows strongly. Pkt. 10 cts., oz. 35 cts.

Grandiflora Sweet Peas, Mixed. Old-fashioned sweet-scented varieties, which we recommend for their ease of culture and their delightful fragrance. Pkt. 10 cts., oz. 25 cts., 1/4lb. 75 cts.

Fantasy Mixture. Every flower is beautifully veined, blotched, and striped, one color on another. Flowers from this mixture make an attractive bunch, not only on account of their wide color-range, but also for their fragrance. Pkt. 10 cts., oz. 35 cts., 1/4lb. \$1.25.

MULCH-O-NURE. Mixture of tobacco, peat, and plant-foods. Spread 1 inch thick around sweet peas. Keeps roots cool, retains moisture, deters insects. 100 lbs. \$5.

IMPROVE YOUR LAWN

with an occasional dose of LAWNSPREAD. May be used at any time of the year.
Unit of 25 pounds treats 400 square feet and costs \$2.

THERMOPSIS. *Perennial.* Striking plant, producing long spikes of yellow blossoms. June, July.

Caroliniana. 4 ft. **Montana.** 2 ft.
Each, pkt. 25 cts., 5 pkts. \$1

THUNBERGIA, Mixed (Black-eyed Susan). *Annual Climber.* 4 ft. Beautiful, rapid-growing climber, preferring a warm, sunny situation. Very pretty flowers in buff, white, orange, etc., with dark eyes. All colors. Pkt. 10 cts., 1/4oz. 50 cts.

THYMUS Serpyllum (Creeping Thyme). *Perennial.* A valuable alpine but 4 inches high, it is of trailing habit with bright lilac-purple flowers. Pkt. 25 cts., 1/8oz. \$1, 1/4oz. \$1.50.

Serpyllum coccineus (Crimson Thyme). Pkt. 25 cts., 5 pkts. \$1.

TITHONIA speciosa (Mexican Sunflower). *Annual.* Early-flowering strain. May be sown under glass and transplanted, or later in the open. Shrub-like plant 8 feet high. The orange-colored, daisy-like flowers are 3 to 4 inches in diameter. Pkt. 15 cts., 1/8oz. 40 cts., 1/4oz. 75 cts.

TORENIA Fournieri. *Greenhouse and Bedding Annual.* 9 in. For vases, hanging-baskets, borders, etc. Sky-blue flowers with bright yellow centers. Pkt. 15 cts., 1/8oz. \$1, 1/4oz. \$1.50.

TRACHELIUM caeruleum (Throatwort). 2 ft. *Greenhouse plant, or perennial* needing winter mulch. Flowers same year seed is sown. Blue bell-shaped flowers. Pkt. 25 cts., 5 pkts. \$1.

TRADESCANTIA virginiana (Spiderwort; Flower-of-a-Day). 2 ft. Showy everblooming native perennial with purple-blue flowers. Pkt. 25 cts., 5 pkts. \$1.

TRICYRTIS hirta (Toad-Lily). 3 ft. *Perennial* for shaded spots; needs winter mulching. Large, orchid-like, white, spotted purple flowers in corymbs. Pkt. 50 cts.

TRIPTERIS, Dwarf. See page 15. Pkt. 25 cts., 1/8oz. 50 cts., 1/4oz. 75 cts.

TRITOMA (Flame-Flower; Poker-Plant; Torch-Lily). *Perennial.* Spikes of dazzling tubular flowers. Will live through winter with a covering of leaves; or the roots may be carried over in sand in a cellar.

Express. Orange-yellow; 4 ft.

May Queen. Yellow; 2 ft.

Mixed Hybrids.

Each, pkt. 15 cts., 1/4oz. 75 cts.



Viscaria

TROLLIUS (Globe Flower). *Perennial.* Like immense buttercups, these striking plants are very effective in the mixed border. Light soil, well drained, and a partly shaded position suit them admirably. They bloom from May to August.

Golden Queen. 4 ft. Enormous, buttercup-like golden flowers 4 inches across. Award of Merit, R. H. S., England. Pkt. 35 cts., 3 pkts. \$1.

Asiaticus. Orange; 2 ft. Pkt. 25 cts., 5 pkts. \$1, 1/8oz. \$3.50.

Europæus. Yellow; 2 ft. Pkt. 25 cts., 1/8oz. \$1.

TUNICA Saxifraga (Tunic Flower). 8 in. Spreading perennial for the rock-garden or for edging. Covered with small lilac-pink blossoms. Pkt. 35 cts., 3 pkts. \$1.

TYDÆA Hybrids. *Greenhouse Annual.* 1 ft. Sown in May, blooms in December and continues for some time. Treatment similar to gloxinia. Pkt. 50 cts., 3 pkts. \$1.25.

URSINIA anthemoides (*Sphenogyne anthemoides*). *Annual.* 1 ft. Excellent for edgings. The orange, daisy-like flowers have purple and black centers. Pkt. 15 cts., 1/4oz. 75 cts., oz. \$2.50.

Anthemoides, New Hybrids, Mixed. *Annual.* 1 1/2 ft. Each plant carries a hundred or more flowers at one time. All have florets of a delightful rich orange, but the coloring surrounding the disk varies in tone from ruby-red to dark purple. Pkt. 20 cts., 1/8oz. 50 cts., 1/4oz. 90 cts.

Aurora. *Annual.* 1 ft. Composite flowers, with a bright orange corolla, and a deep crimson inner ring. Pkt. 50 cts., 3 pkts. \$1.25.

VALERIAN (Garden Heliotrope; Heal-All). *Perennial.* 4 ft. Pinnate foliage in panicles of heliotrope-scented flowers in June and July.

Red **White** **Mixed**
Each, pkt. 15 cts., 1/8oz. 40 cts., oz. 75 cts.



Virginian Stocks

VENIDIUM fastuosum. *Annual.* 2 to 3 ft. For the garden or for growth under glass. Daisy-like, orange flowers, 3 inches across, with black centers. Pkt. 35 cts., 3 pkts. \$1, 1/8oz. \$1.50.

Fastuosum Hybrids, Mixed. *Annual.* Mixture includes white, cream, lemon, yellow, orange, and buff. Pkt. 50 cts., 3 pkts. \$1.25.

VERBASCUM olympicum. *Perennial.* 5 ft. The large leaves are covered with a silvery down, and above them rises a pyramid of bright yellow flowers. Pkt. 20 cts., 1/4oz. \$1.

Phœniceum Hybrids, Mixed. *Perennial.* 3 ft. Various shades from white through yellow to deep orange. Pkt. 15 cts., 1/4oz. 60 cts.

VERONICA spicata (Speedwell). *Perennial.* Bright blue; 1 1/2 ft. Pkt. 15 cts., 2 pkts. 25 cts.

Spicata, Mixed. *Perennial.* Blue, Pink, and White. Pkt. 10 cts.

Amethystina. *Perennial.* Amethyst-blue; 2 ft. Pkt. 25 cts., 5 pkts. \$1.

Incana. *Perennial.* Blue; 1 ft. Pkt. 25c.

Longifolia. *Perennial.* Lilac; 3 ft. Pkt. 15 cts.

Allioni. *Perennial.* For the rock-garden. Trailing variety, growing about 3 inches high, with white flowers. Pkt. 25 cts., 5 pkts. \$1.

Fruticans. *Perennial.* For the rock-garden. A 6-inch cushion of foliage is overtopped with shining gentian-blue flowers. May-Aug. Pkt. 50 cts., 3 pkts. \$1.25.

VINCA (Madagascar Periwinkle; Old Maid). *Annual.* 1 ft. Begins blooming in August from seed sown outdoors in May; blooms earlier if sown indoors in March.

Alba. Pure white. **Rosea.** Rose.

Rosea alba. White, with rosy eye.

Each, pkt. 15 cts., 1/4oz. 60 cts., oz. \$2

Mixed. Pkt. 10 cts., 1/4oz. 50 cts., oz. \$1.50.

VIRGINIAN STOCKS. *Annual.* Sown early, these pretty annuals are gay in the period between the spring and summer flowers, their fresh, bright colors in lines and beds producing a charming effect.

White **Rose** **Mixed**

Each, pkt. 10 cts., 1/8oz. 25 cts., oz. 40 cts.

VISCARIA, TOM THUMB. *Annual.* This beautiful new race of Viscarias is quite unlike others, in that the plants are compact and bushy in form and they bloom so freely as to be entirely covered. The plants grow evenly in height. Individual flowers resemble single wild roses in miniature form. 1 ft.

Blue Bouquet. Erect and bouquet-like, and the flowers are a brilliant cornflower-blue. Pkt. 35 cts., 3 pkts. \$1, 1/8oz. \$2.50.

Blue Queen. Bright blue.

Rose Queen. Rose.

White Queen. Pure white.

Each of above three, pkt. 25 cts., 5 pkts. \$1



Trollius europæus

FINE ANNUALS *for Your Garden*

Morning-Glories Greet the Sunrise

To cover a trellis, climb up your fence, or hide a stump, these are invaluable. Let **both** these beautiful sorts grow together for a striking effect.

Heavenly Blue

The flowers are often 4 inches in diameter and are beautiful, shining sky-blue. We offer seed of our improved early-flowering strain.

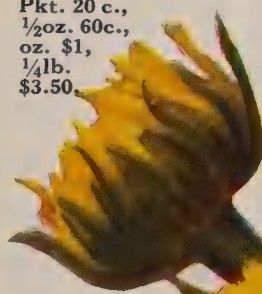
Pkt. 20 cts., $\frac{1}{2}$ oz. 60 cts., oz. \$1,
 $\frac{1}{4}$ lb. \$3.50



Scarlett → O'Hara

Flowers $3\frac{1}{2}$ inches in diameter and a glowing carnelian-red. They come into bloom quickly and remain open well into the day.

Pkt. 20 c.,
 $\frac{1}{2}$ oz. 60c.,
oz. \$1,
 $\frac{1}{4}$ lb.
\$3.50.



Calendula, Yellow Colossal

The largest Calendula in cultivation, with flowers $4\frac{1}{2}$ inches in diameter, and wonderful very light bright yellow in color. Annual, $1\frac{1}{2}$ feet high. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50

51

Zinnia, Crown o'Gold Pastel Tints

New Giant Strain

A mixture of colors. The flowers are large and each bloom, in all Zinnias, is composed of a number of individual florets. In Crown o'Gold, the base of each floret, at the center of the flower, is gold, but the outer halves vary; in one flower it is pink or in another salmon, or apricot, buff, peach, white or cream.

Pkt. 15 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$1



ZINNIAS • *Double Dahlia-Flowered*

The plants attain a height of 3 feet, producing mammoth flowers averaging 6 inches across by 3 to 4 inches in depth, similar in shape to the decorative dahlia, with the same fullness of the petals.



Four Brilliant Colors

1. Scarlet Flame
2. Exquisite
3. Canary Bird
4. Crimson Monarch

Each color, pkt. 15 cts.,
1/4oz. 60 cts., oz. \$2

ZINNIAS have gained more in popularity than any of our annuals because they are so easy to grow and so satisfactory. Plant-breeders have tried to excel one another in improving existing forms and bringing new ones each year to the attention of the flower-lover. We are offering some of the newer varieties which will soon, we feel sure, become popular in your gardens. Few, if any, of the annuals have greater utility value. In the mixed border they may

be had in bloom from early summer until cut down by frost, and they are splendid also when used as a cut-flower for house decoration. In order to get best results, seed should be sown either indoors in a sunny window and the plants put out in the garden early in May, or started outdoors and plants transferred later. Leave at least 2 feet between plants, as they are robust growers and need sufficient space to attain maximum development.

Special Collection No. 56

Four packets, one each
of these colors **50 cts.**

Other Zinnias are offered on pages
15, 51 and 54

VERBENAS

Mostly decumbent, creeping plants, with clusters of bright flowers; extremely showy. Sow in the open ground in May, or earlier under glass. Thin to 1 foot apart.

Giant-flowering Types

More flowers to each truss, and the individual florets are larger. They attain a height of 1½ feet and, if sown outdoors early in May, may be had in bloom by July.

Etna. Vivid scarlet with small yellow eye.
Luminosa. Shades of salmon, flesh, and coral on a ground of flame-pink.

***Royale.** Royal blue, primrose-yellow eye.

***Salmon-Pink.** Even tone of salmon-pink.

Spectrum Red. Wonderful dazzling color.

***White King.** Pure white.

Mixed. A mixture of all shades.

***Crimson Glow.** Fine crimson, pure, self-colored and without a white eye. Large flower trusses.

***Lavender Glory.** Clear lavender contrasting with the cream-white centers. Large blooms. (Not entirely fixed; still a few light colors.)

Each, pkt. 15 cts., ½oz. 00 cts., ¼oz. \$1

COLLECTION No. 38: 5 pkts., one each marked (*), 60 cts.

Beauty of Oxford Hybrids, Mixed. The color varies from clear rose-pink to rose-red, and makes this the brightest rose-colored Verbena. The individual flowers measure over 1 inch in diameter. Pkt. 25 cts., ½oz. 75 cts., ¼oz. \$1.25.

New Apple Blossom. Flowers almost white, shading to a delicate cameo-pink toward the edges, where they are a decided pink. Individual flowers are 1¼ inches in diameter, while the flower-head measures 4 to 5 inches. Pkt. 25 cts., ½oz. \$1, oz. \$3.50.

Floradale Beauty. A new selection from the Beauty of Oxford class. It bears large clusters of flowers of beautiful rose and salmon. Pkt. 25 cts., ½oz. 75 cts., oz. \$2.50.

Following are described on page 15

Blue Sentinel. Pkt. 25 cts., ½oz. 75 cts., ¼oz. \$1.25.

Flamingo. Pkt. 25 cts., ½oz. \$1, ¼oz. \$1.50.

Medium-flowering Types

The trusses and individual flowers are of large size and brilliant color. Plants are vigorous and bloom freely. Height 1 ft.

Mixed. Pkt. 10 cts., ¼oz. 50 cts., oz. \$1.50.

Miniature Types

These grow only 6 to 9 inches high.

Carmine Ball. Bright carmine.

Fireball. Bright flame-scarlet.

Dark Blue **Pure White**

Each, pkt. 15 cts., ½oz. 50 cts., ¼oz. 90 cts.

COLLECTION: Pkt. each, above 4 colors, 50c.

Mixed, pkt. 15 cts., ½oz. 40 cts., ¼oz. 75 cts.

Various Verbenas

Bonariensis. 4½ ft. Tall, hardy perennial producing rosy lavender flowers on long stiff stems; these are highly and sweetly perfumed, and are valuable for cut-flowers. Award of Merit, R. H. S., England. Pkt. 35 cts., 3 pkts. \$1, ½oz. \$1.50.

Lemon Verbena (*Aloysia citriodora*). Old favorite. Pale green, scented foliage. Pkt. 25 cts., 5 pkts. \$1, ¼oz. \$1.50.

Erinoides (Moss Verbena). Moss-like spreading foliage and purplish blue blossoms. Pkt. 15 cts., ¼oz. 60 cts., oz. \$2.

Venosa (Hardy Garden Verbena). 1 ft. Purple flowers all summer. Pkt. 15 cts., ½oz. 40 cts., ¼oz. 75 cts.



Viola tricolor

VIOLAS - Tufted Pansies

Perennial. Violas bloom so freely and for so long that they are often preferred to pansies. The colors are particularly clear.

Viola cornuta Hybrids

Blue Gem (Jersey Gem). 4 in. Pleasing shade of deep violet-blue, with an occasional slight variation in tint. Will come about 70 per cent true from seed. Pkt. 25 cts., ½oz. \$2.75, ¼oz. \$5, ¼oz. \$9.

Apricot Gem. An unusually fine shade, blending into a deep orange center. Splendid when planted with Blue Gem. Pkt. 25 cts., ½oz. \$1.50, ¼oz. \$2.50, ¼oz. \$4.

Cornuta, Mixed. Pkt. 20 cts., ¼oz. \$1.

Large-flowering Hybrid Violas

Arkwright Ruby. Terra-cotta on crimson. Fragrant. Pkt. 50 cts., ½oz. \$2.50.

Aurora. Bluish purple; immense flower. Pkt. 25 cts., 5 pkts. \$1.

Avalanche. Immense, pure white flowers. Supersedes White Queen. Pkt. 25 cts.

Blue Butterfly. A perfect bedding Viola. The color is a mid-blue shading to white. Pkt. 50 cts., 3 pkts. \$1.25, ½oz. \$2.50.

Chantreyland. Fine shade of apricot; the best in this color to date. Pkt. 50 cts., 3 pkts. \$1.25, ½oz. \$2, ¼oz. \$3.50.

Normandie. Handsome Viola of the Gracilis type; large flowers of a rich burgundy color. Pkt. 50 cts., 3 pkts. \$1.25.

Odorata (Sweet Violet). 4 in. Violet-blue flowers; fragrant. Pkt. 25 cts., 5 pkts. \$1.

Odorata, The Czar. Deep violet flowers, large and fragrant. Pkt. 35 cts., 3 pkts. \$1.

Odorata, White Pearl. Pure white; sweet-scented. Pkt. 25 cts., 5 pkts. \$1.

Primrose Perfection. The flowers are so numerous that the plant is almost hidden by them. Pkt. 35 cts., 3 pkts. \$1.

Yellow Queen. Deep yellow. A truly large-flowering type. Pkt. 35 cts., 3 pkts. \$1.

Finest Mixed. Pkt. 25 cts., 5 pkts. \$1.

Tricolor (Johnny-jump-ups). These cheerful and popular little "Pansy Faces" are easy to grow, and they will self-seed without further attention. Flowers are purple, blue, and yellow. Pkt. 20 cts., 2 pkts. 35 cts., ½oz. 50 cts., ¼oz. 90 cts.

WALLFLOWERS

These half-hardy annual and perennial Wallflowers are grown for early spring bedding and for their delightful fragrance. Perennial sorts should be sown in autumn and carried over in coldframe; annual sorts may be sown indoors in March and will flower the first year from seed.

New Annual Wallflower, Extra-Early Double

If seed of this variety is sown in early spring, it will be in full bloom by June. The flowers are equal in size to those of the perennial double varieties, and they are delicately perfumed.

Canary-Yellow

Golden Yellow

Light Brown

Dark Brown

Mixed

Each, pkt. 15 cts., ½oz. 60 cts., ¼oz. \$1

Single Annual Varieties

Early Parisian. Gold, shaded orange-red.

Early Blood-Red. Red, orange shaded.

Early Golden Gem. Yellow.

Each, pkt. 10 cts., ¼oz. 30 cts.

MIXED, pkt. 10 cts., ¼oz. 25 cts.

Perennial Varieties

The following mixtures are hardy but should be sown in fall, carried over winter in a frame, and planted out in spring.

Single, Mixed. Pkt. 15 cts., ¼oz. 60 cts.

Double, Mixed. Pkt. 25 cts., 5 pkts. \$1.

VESICARIA utriculata (Bladder-Pod). 1½ ft. Shrubby perennial for the rock-garden, with globes of yellow flowers followed by inflated pods. Pkt. 35 cts., 3 pkts. \$1.

VIBURNUM Carlesi. 4 ft. Perennial shrub, covered with 3-inch cymes of perfumed, wax-like white flowers, valuable for cutting. Pkt. 50 cts., 3 pkts. \$1.25.

VICIA sylvatica (Cow-Vetch). 4 ft. Annual climber for covering fences, etc. Whitish blue flowers. Pkt. 25c., 5 pkts. \$1.

VITTADINIA triloba. 8 in. Trailing perennial for the rock-garden, beds, or borders. Blooms the first year from seed. Small, daisy-like flowers of white changing to rosy mauve. Pkt. 35 cts., 3 pkts. \$1.

VOLUTARIA, Star of the Desert. 1½ ft. Annual with flowers like a centaurea, rose-pink, with lilac suffusion. Useful as a cut-flower, but not recommended for beds because of its straggling habit. Sow seed in the garden in spring where you wish it to flower. Thin to 9 inches from plant to plant. Pkt. 25 cts., 5 pkts. \$1, ¼oz. \$1.50.

XERANTHEMUM, Mixed. Annual; Everlasting. 2 ft. Pretty edging plant. The flowers are useful for dried bouquets for winter decoration. Easily grown. Pkt. 10 cts., ¼oz. 25 cts., oz. 75 cts.

YUCCA filamentosa (Adam's Needle; Silk Grass). Ornamental evergreen perennial, producing a 6-foot branched panicle of creamy white flowers. Pkt. 35 cts., 3 pkts. \$1.

ZAUSCHNERIA californica (Humming Bird's Trumpet; California Fuchsia). 1 ft. Decumbent rock-garden perennial, with small grayish leaves and scarlet fuchsia-shaped blooms. Pkt. 35 cts., 3 pkts. \$1.

The Gorgeous Zinnia • Youth and Old Age (ANNUAL)

The seed may be sown in a hotbed or sunny window and transplanted, or sown later in the open ground. The plants come into flower early in the summer and keep on blooming until hard frost. Splendid for garden decoration and for cutting.

Giant Double Dahlia-flowered

The plants attain a height of 3 feet, producing mammoth flowers averaging 6 inches across by 3 to 4 inches in depth, similar in shape to the decorative dahlia, with the same fullness of the petals. Illus. in color, page 52.

- ***Canary Bird.** Clear yellow.
- ***Crimson Monarch.** Flaming crimson.
- Dream.** Deep lavender-blue.
- ***Exquisite.** Light rose.
- Golden Dawn.** A pure clear golden yellow.
- Oriole.** Orange and gold.
- Polar Bear.** Large; finest pure white.
- ***Scarlet Flame.** Bright scarlet.
- Youth.** Beautiful light rose.

Each, pkt. 15 cts., 1/4oz. 60 cts., oz. \$2
Mixed, pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50
COLLECTION No. 56: Pkt. each, 4 marked *, 50 cts.

Dwarf Double-flowering

This type is very satisfactory for borders or cutting. Perfect flowers. 1 1/2 ft.

- | | |
|----------------------|--------------------|
| Crimson | Salmon-Rose |
| Canary-Yellow | Scarlet |
| White | Mixed |
| Golden | |

Each, pkt. 10 cts., 1/4oz. 35 cts., oz. \$1.25

MIDGET ZINNIAS. A dwarf type, excellent for cut-flower purposes. Some entrancing colors are to be found in this class.

- | | |
|----------------------|----------------------|
| * Canary Gem | * Crimson Gem |
| * Golden Gem | * Pink Gem |
| * Salmon Gem | White Gem |
| * Scarlet Gem | Mixed Gems |

Each, pkt. 15 cts., 1/4oz. 60 cts., oz. \$2

COLLECTION No. 55: Pkt. each, 6 marked *, 50 cts.

CUPID ZINNIAS. Compact little plants, less than 1 foot high, are covered with small, button-like flowers. Excellent edging plant.

- Pixie.** Bright yellow.
- Tiny Tim.** Rich scarlet.
- Snowdrop.** Pure white.
- Cupid, Mixed.**

Each, pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50

MEXICAN ZINNIAS, Mixed (Z. Haageana). Spreading plants with flowers suggestive of French Marigolds; some double, some single; many semi-double. Shades of yellow, red, or brown; also spotted and striped. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

NAVAJO ZINNIAS, Mixed. 18 in. Medium-sized, double and semi-double flowers with long, narrow, incurved or fluted florets, each of which is tipped with a lighter contrasting color. Pkt. 15 cts., 1/4oz. 60 cts., oz. \$2.

LINEARIS. Ideal for window-boxes, beds of cut-bloom. Growing 10 inches high and spreading 2 feet within six weeks of sowing, it is covered with medium-sized, single, daisy-like flowers with outer florets golden orange and center eye darker. Pkt. 25 cts., 1/4oz. 75 cts., oz. \$2.50.

UNIFLORA GIANTS. See page 15. Pkt. 50 cts., 3 pkts. \$1.25.

BLACK RUBY. See page 15. Pkt. 25 cts., 1/4oz. 75 cts., 1/4oz. \$1.25.

Mammoth California Giants

When in full bloom, they reach an enormous size, yet their flatness gives them a most graceful appearance. They grow to a height of 3 feet, and the fine double blooms will sometimes average a diameter of 6 inches.

- Brightness.** Bright pink.
- Cerise Queen.** Cerise-rose.
- Enchantress.** Light rose, deeper center.
- Lemon Queen.** Lemon-orange.
- ***Miss Willmott.** Soft pink.
- ***Orange Queen.** Golden yellow.
- Orange King.** Cadmium or burnt-orange.
- ***Purity.** Pure white.
- ***Rose Queen.** Bright rose.
- ***Scarlet Gem.** Glowing scarlet.
- ***Violet Queen.** Shade of violet.

Each, pkt. 10 cts., 1/4oz. 35 cts., oz. \$1.25
Mixed, pkt. 10 cts., 1/4oz. 30 cts., oz. \$1
COLLECTION: Pkt. each, 4 marked *, 50 cts.

Various Zinnias

Crown o'Gold, Desert Gold. 2 1/2 ft. The light and deeper hues of gold have been segregated, being equally striking in the garden or for cut-bloom. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

Crown o'Gold, Pastel Tints. See page 51. Pkt. 15 cts., 1/4oz. 60 cts., oz. \$2.

Scabious-flowered Hybrids, Mixed. Flowers have wider outer rays, but the inner section has tubular florets. Colors include crimson, scarlet, orange, yellow, pink, and white. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

Scabious-flowered, Autumn Tints, Mixed. Orange, bronze, russet, dull red, carmine, terra-cotta, and intermediate shades. Pkt. 25 cts., 1/4oz. 75 cts., oz. \$2.50.

Following described on page 15.

Howard Crested. Pkt. 25 cts., 1/8oz. \$1.25, 1/4oz. \$2.

Campfire **Sunburst**
Above 2, pkt. 20 cts., 1/4oz. 75 cts., oz. \$2.50

Curled and Crested, Mixed. Flowers twisted into fantastic and graceful forms. Pkt. 10 cts., 1/4oz. 35 cts., oz. \$1.25.

Victory Quilled, Mixed. 1 1/2 ft. Similar to a cactus dahlia. A good mixture. Pkt. 10 cts., 1/4oz. 35 cts., oz. \$1.25.

Pumila Picotee, Salmon-Rose. The petals are ruffled and curled, giving a light, dainty effect, and each is beautifully picoteed. Pkt. 15 cts., 1/4oz. 60 cts., oz. \$2.

Pumila Picotee, Mixed. Includes all colors. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

Fantasy Zinnias. See page 15.
White Light **Rosalie**
Orange Lady **Stardust**

Above 4, pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50
Wildfire. Pkt. 20 cts., 1/4oz. 75 cts., oz. \$2.50.

COLLECTION 18: Pkt. each, 5 colors, 60 cts.
Fantasy Mixed. Pkt. 10 cts., 1/4oz. 35 cts., oz. \$1.25.

LILLIPUT ZINNIA, Pastel Shades

Beautiful little ball-shape blooms, invaluable for cut-flowers and for bedding. In the mixture are such entrancing colors as apricot, peach, cream, shell-pink, salmon, rose, and orchid. Height, 1 foot.

Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50



Zinnia linearis

FLOWER SEED MIXTURES

WILD-FLOWER MIXTURE. Seeds of native plants. No garden hybrids or "tame" plants included in this mixture. Suitable for broadcasting in odd corners, when hiking, etc. Pkt. 15 cts., oz. 60 cts., 1/4lb. \$2, lb. \$7.50.

MIXED SEEDSMAN'S FLOWERS. All the varieties in our establishment are contained in this mixture, which is mostly an assortment of cultivated types. Pkt. 10 cts., oz. 25 cts., 1/4lb. 75 cts., lb. \$2.50.

ROCK-GARDEN MIXTURE. All the dwarf flowers, cultivated and wild, annual and perennial, that are suitable for the rock-garden. Sow it amid the rocks and boulders of your Westchester or Connecticut home. There is a peculiar charm about plants that seem spontaneously to appear some months later. Mix seed with fine soil, 1 ounce to a pailful, and broadcast the mixture freely. Pkt. 15 cts., 1/2oz. 60 cts., oz. \$1, 1/4lb. \$3.50, lb. \$10.

ORNAMENTAL GRASSES

The annual varieties are principally grown for their beautiful flower panicles which when dried are useful for bouquet work. Perennial varieties are valuable for borders or massed between shrubs or on the lawn.

Sow outside in May, transplant or thin out when large enough to handle. If flower-heads are cut before they are ripe, they will keep for a long period.

Annual Grasses

- BRIZA maxima** (Quaking Grass). 1 ft.
- COIX Lacryma-Jobi** (Job's Tears). 3 ft.
- ERAGROSTIS elegans** (Love Grass). 1 ft.
- PENNISETUM longistylum** (Plume Grass). 2 ft.
- ZEA japonica** (Striped Corn). 5 ft.

Perennial Grasses

- ERIANTHUS Ravennae.** 4 ft.
- EULALIA japonica foliis vittatis.** 4 ft.
- GYNERIUM argenteum** (Pampas Grass). 6 ft.
- PENNISETUM Ruppelianum.** 3 ft.
- STIPA pennata** (Feather Grass).

Each, pkt. 10 cts.

COLLECTION: Pkt. each, 10 varieties, 75 cts.

Collections of Flower Seeds



These Collections are time-saving, money-saving, and dependable. The packets which comprise them are from our regular stock and of full size. The seeds they contain are of high quality. They make ideal gifts

THE ALL-AMERICA WINNERS

NOVELTY COLLECTION No. 15. 12 pkts. \$3.50 (value, \$4)

THE ALL-AMERICA WINNERS

Twelve recent introductions which won high ratings in the All-America Seed Trials, held 1939 and 1940

Ageratum, Midget Blue
Antirrhinum, Rosalie
Marigold, Goldsmith
Marigold, Spry

Petunia, Blue Brocade
Petunia, Cream Star
Phlox, Rosy Morn
Salvia, Royal Blue

Scabiosa, Peace
Scabiosa, Heavenly Blue
Sweet Peas, Spring-flowering, Rose-Pink
Zinnia, Black Ruby

COLLECTION No. 59A

12 Packets, Most Popular Annuals

\$1.00

Alyssum, Little Gem
Aster, Wilt-Resistant, Lavender King
Candytuft, Hyacinth-flowered White
Cornflower, Blue Boy
Hunnemannia (Yellow Tulip Poppy)
Larkspur, Blue Spire

Mignonette, Allen's Defiance
Nasturtium, Large-flowered, Dwarf
Phlox Drummondii, Finest Mixed
Salpiglossis, Brown with Gold
Shirley Poppy, All Shades, Mixed
Zinnia, Dahlia-flowered, Mixed

COLLECTION No. 59C

12 Packets, Annuals for Shady Gardens

\$1.00

Alyssum, Little Gem
Antirrhinum, Mixed
Aster, Queen of the Market
Balsam, Double, Mixed
Clarkia, Salmon
Cornflower, Jubilee Gem

Cynoglossum amabile, Blue
Eschscholtzia, Mixed
Godetia carminea, Dwarf
Lupinus, Annual, Mixed
Nicotiana, Crimson Bedder
Petunia, Bedding Mixed

COLLECTION No. 59E

12 Packets, Annuals for Cut-Bloom

\$1.00

Antirrhinum, Tall, Mixed
Arcotis grandis
Aster, Wilt-resistant, Late Br., Mixed
Calendula, Orange King
Cosmos, Single, Dwarf, Mixed
Gypsophila elegans alba

Helichrysum, Double Mixed
Marigold, African, Mixed
Scabiosa, Tall, Mixed
Stocks, Giant Imperial, Mixed
Sweet Peas, Spencer, Mixed
Zinnia, Dahlia-flowered, Mixed

COLLECTION No. 59G

12 Packets, Most Popular Perennials

\$1.50

Alyssum saxatile
Aquilegia, Long-spurred, Mixed
Arabis alpina
Chrysanthemum, Alaska (Shasta Daisy)
Coreopsis grandiflora
Delphinium, Gold Medal Hybrids

Dianthus, Double Plumarius, Mixed
Digitalis, Giant Shirley, Mixed
Forget-Me-Not, Royal Blue
Gaillardia grandiflora
Poppy, Oriental
Pyrethrum Hybrids, Double

COLLECTION No. 59J

12 Packets, Perennials for Shady Gardens

\$1.50

Anchusa italica, Dropmore Variety
Asperula odorata
Dictamnus Fraxinella, pink
Digitalis gloxiniflora, Mixed
Eupatorium Fraseri
Forget-Me-Not, Royal Blue

Heuchera sanguinea
Lobelia cardinalis
Polyanthus, Mixed
Rudbeckia Newmanii
Sedum acre
Viola cornuta, Mixed

COLLECTION No. 59L

6 Packets, Sweetly Perfumed Perennials

\$0.75

Asperula odorata
Iberis sempervirens
Dianthus plumarius, Double

Scabiosa caucasica
Lavandula vera
Dictamnus Fraxinella

COLLECTION No. 59B

12 Packets, Annuals for Rock-Gardens

\$1.00

Ageratum, Blue Perfection
Alyssum, White Carpet
Brachycome, Blue Star
Candytuft, Crimson
Dianthus chinensis
Dimorphotheca aurantiaca

Ice Plant
Linum grandiflorum rubrum
Lobelia, Crystal Palace
Portulaca, Single, Mixed
Tagetes, Little Giant
Virginia Stock, Mixed

COLLECTION No. 59D

12 Packets, Sweetly Perfumed Annuals

\$1.00

Alyssum, Sweet
Antirrhinum grandiflorum
Carnation, Giant King
Heliotrope
Mignonette, Machel
Nasturtium, Glorious Gleam

Nicotiana affinis Hybrids
Night-Scented Stock
Petunia, Bedding, Mixed
Scabiosa, Tall, Mixed
Stock, Imperial, Mixed
Sweet Sultan

COLLECTION No. 59F

12 Packets, Annual Climbing Plants

\$1.00

Balloon Vine
Cardinal Climber
Cobaea scandens
Cypress Vine, Mixed
Dolichos, Mixed
Gourds, Mixed

Humulus japonicus
Ipomoea, Heavenly Blue
Mina lobata
Nasturtium, Tall, Mixed
Sweet Peas, Spencer, Mixed
Thunbergia, Mixed

COLLECTION No. 59H

12 Packets, Perennials for Rock-Gardens

\$1.50

Alyssum saxatile
Arabis alpina
Armeria, Large-flowering
Campanula carpatia
Candytuft sempervirens
Cheiranthus Allioni

Dianthus Allwoodi, Mixed
Geum, Lady Stratheden
Linum perenne
Polyanthus, Giant, Mixed
Poppy, Iceland
Sedum acre

COLLECTION No. 59K

12 Packets, Perennials for Cut-Bloom

\$1.50

Achillea Millefolium roseum
Aquilegia, Long-spurred, Mixed
Aster novae-angliae, Mixed
Centaurea montana
Chrysanthemum, Alaska
Coreopsis grandiflora

Delphinium, Gold Medal Hybrids
Gaillardia, Copper-Red
Gypsophila paniculata
Pentstemon, Giant Hybrids
Pyrethrum, Double Hybrids
Scabiosa caucasica

COLLECTION No. 59M

6 Packets, Everlasting Flowers, 5 Annuals and 1 Perennial

\$0.50

Acroclinium
Helichrysum
Gomphrena

Rhodanthe
Statice, Perennial
Xeranthemum



**Will
Aid in
Our Country's
Defense—Produce It!**

Not many of us have land enough to produce the family's entire vegetable supply, but all of us can grow some portion of it. It is surprising how real a contribution even a small garden will make to your annual food-bill.

Vegetable-Growing Pays You Money

You may have been told that vegetables are so cheap it does not pay to grow them, but this is not true; vegetable-growing is profitable, even on a basis of dollars and cents. If you give yourself, and other members of your family, 50 cents for each hour spent in the garden you will have remaining in your pocket, at the end of the season, a substantial part of the sum your budget allows for food. Half a dollar an hour is not a munificent sum, but there are few hobbies that will *guarantee* to pay you this, and a handsome bonus besides.

The Effort Keeps You Fit

But a cash saving is the least of the benefits that will be yours when you grow a part of your food supply. The exercise is as healthful as golf, as interesting and cheaper withall. After a round of gardening, try a shower and a change of clothing, and see how you feel.

Your Vegetables Have More Vitamins and Better Flavor The products of your own garden are more health-giving because the fresher vegetables are, the more vitamins they contain; everyone knows that newly picked vegetables have far more flavor than those that are days old; corn, peas, and beans are among those that are so superior when fresh picked that they are entirely different. Most commercial crops are harvested before they are quite ready, to allow them to mature on the journey from the field to your table. Yours are ripening on the plant right up to the hour that you use them.

No Risk of Food-Poisoning Do you like the idea of strangers handling your food? Are the conditions under which it is grown sanitary? Do you fear infection therefrom? Are you nervous of contamination from impure water, infected soil or manure? You can control these in your own garden. Do you worry about your vegetables and fruits having been sprayed with arsenic? Around the home you can use insecticides that are not poisonous.

Commercial Varieties Not Necessarily the Best for You When you grow your own, you will enjoy a quality money cannot buy. From the scores of varieties available, you can make your selection for superior flavor alone; the professional grower has to confine himself to kinds that resist the diseases which accompany mass production, that will ship satisfactorily, store well or have some other commercial advantage, which may have little relation to their palatability. To be sure of quality, grow your own.

Growing Vegetables Is a Patriotic Duty—and Is Easy

Cultural instructions for each vegetable will be found in the following pages and printed on the seed packets.

If your soil is either sandy or very tenaceous, spread Humus at the rate of 15 pounds per 10 square feet and then broadcast General Garden Fertilizer at the rate of $\frac{1}{4}$ to $\frac{1}{2}$ pound to each 10 square feet.

If you decide that the Humus is not needed, do not omit the General Garden Fertilizer. Dig the land, turning each spadeful, then rake smooth and plant. Repeat the digging and fertilizing when your

summer gardening is over, and, some time during winter, broadcast $\frac{3}{4}$ pound garden lime per 10 square feet.

Sow seed or put your plants out in rows; these should be wide enough to allow you to walk between them. Remove seedlings where they crowd, so that your plants are the distance apart that is suggested in the cultural notes. Hoe between the plants every ten days, but before you hoe dust General Garden Fertilizer on the surface of the soil, so that your cultivation sends it under.

Simple Sorts and Some Not-So-Simple

Easily grown vegetables are:

Beans T 18	Endive H 15	Onion H 12	Salsify H 12
Beet H 18	Kale H 24	Parsley H 12	Scorzonera H 12
Broccoli H 30	Kohlrabi H 18	Parsnip H 18	Spinach H 14
Cabbage H 24	Leek H 12	Peas H 20-40	Swiss Chard H 18
Carrot H 14	Lettuce H 12	Pepper T 20	Tomato T 30
Corn T 30	Muskmelon T 72	Pumpkin T 100	Turnip H 14
Cucumber T 40	Mustard H 12	Radish H 12	
Eggplant T 24	N. Z. Spinach T 24	Rutabaga H 15	

Vegetables that need more care are:
Asparagus Cauliflower Celery Chicory Mushrooms Sweet Potatoes

Succession and Companion Cropping Save Space

Arrange your plantings to get a *continuous* supply throughout the season, rather than a large amount at one time. Take advantage of "early" and "late" varieties. Make sowings of the following short-season sorts every few weeks, for what is termed "succession cropping."

Bush Beans	Carrot	Cucumber	Lettuce	Radish	Swiss Chard
Beet	Cress	Endive	Mustard	Spinach	Turnip

Crowd quick companion crops, like lettuce, between slow kinds, like cabbage. The quick ones mature before others need room.

To Get the Most from a Vegetable Plot

- (1) Dig and rake the earth. Work in General Garden Fertilizer, allowing $2\frac{1}{2}$ pounds to 5 pounds per 100 square feet.
- (2) Before May 15, sow in rows seeds of any of the "Simple" sorts that are marked "H" in the list to the left, meaning "Hardy." The figures show the number of inches of bare soil that you allow between rows. Put out plants of cabbage or broccoli; numbers tell you the distance between plants.
- (3) After May 15, sow in rows seeds of varieties marked "T," meaning "Tender." Put out plants of tomato, pepper and eggplant. Corn, cucumber, muskmelon and pumpkin are usually grown in groups or "hills" of 3 to 5 plants; 6 to 10 seeds are sown to each hill, seedlings being removed to leave the desired number. Figures indicate inches between hills.
- (4) Hoe or rake the soil between the rows every two weeks. Pull out weeds between the plants. Remove surplus plants to avoid overcrowding.
- (5) Support tall things with stakes.
- (6) As soon as one crop has been gathered, dig under more Fertilizer, and sow one of the succession crops listed on the left.

Read the cultural notes for each vegetable on the following pages; complete instructions are also on our seed packets.

You can buy the plants suggested above, but it is more thrifty to raise them indoors against a sunny window, sowing seeds in March in sandy soil. Raise plants outdoors of cabbage or broccoli for succession planting later.

When sowing seeds, try to cover them with a layer of soil no thicker than twice their diameter.

Vitamin-filled Snap Beans

½ lb. equals about ½ pint; 1 lb. equals about 1 pint; 2 lbs. equal about 1 quart; 15 lbs. equal about 1 peck.

Bush Beans

Sow twice monthly; gather all summer

One pound will plant 100 feet of drill

CULTURE. Plant as soon as danger of frost is over, placing the seeds 2 to 3 inches apart in drills and about 2½ inches deep. The rows should be about 2½ feet apart, and the soil slightly hilled, to insure good drainage and to keep the Beans from touching the ground. Most Beans should be picked when about 4 inches long. Avoid picking when bushes are wet, as this may cause disease.

Green-Pod Bush Beans

Yield in from 8 to 10 weeks

Plentiful. This is similar to Bountiful, but the Beans are thicker, longer, straighter, and darker in color. They are also more nearly stringless, very tender and of wonderful flavor. An extremely prolific sort which matures in around 50 days from sowing seed and is definitely resistant to rust. Pkt. 15 cts., ½ lb. 35 cts., lb. 60 cts., 2 lbs. \$1.10, 5 lbs. \$2.50.

Commodore. This sensational novelty was an All-America Selections Winner in 1938. A dwarf or bush type of the popular Pole Bean, Kentucky Wonder. The green pods are 8 to 9 inches long, nearly straight, fleshy, brittle, stringless, and of excellent table quality. A very productive, medium early Bean. Pkt. 20 cts. Stock exceedingly limited.

Tendergreen. Handsome, 6-inch, round-podded Beans, entirely without strings at all stages of growth, and of fine melting flavor. Pkt. 15 cts., ½ lb. 30 cts., lb. 50 cts., 2 lbs. 90 cts., 5 lbs. \$2.10, 15 lbs. \$5.25.



Giant Stringless Green-Pod Bush Beans

GREEN-POD BUSH BEANS, continued

Bountiful. Very prolific and a continuous bearer. It is tender, of delicious flavor, and stringless if the flat pods are gathered when no more than 4½ inches long. Bountiful is resistant to rust. Pkt. 10 cts., ½ lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., 5 lbs. \$2, 15 lbs. \$4.50.

Stringless Green-Pod. Splendid first-early round-podded Bush Bean. Entirely stringless; averages 5 inches long and is slightly curved. ½ lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts., 5 lbs. \$1.75, 15 lbs. \$4.25.

Giant Stringless Green-Pod. Favorite market variety. Pods are an inch longer than Stringless Green-Pod. ½ lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., 5 lbs. \$2, 15 lbs. \$4.50.

Stringless Black Valentine. A fine improvement on the Black Valentine. It is a heavy yielder of stringless, green, pencil-shaped, thick, meaty Beans of finest flavor. Pkt. 10 cts., ½ lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., 5 lbs. \$2, 15 lbs. \$4.50.

Black Valentine. Matures early, producing long, round, straight pods which are tender when young. A good heat-resister. ½ lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts., 5 lbs. \$1.75, 15 lbs. \$4.25.

Dwarf Horticultural. Pods medium length, slightly curved, and when nearly developed are splashed with bright red on yellow. The green-shelled Beans are tender, and fine flavored. ½ lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts., 5 lbs. \$1.75, 15 lbs. \$4.25.

Red Valentine. ½ lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts., 5 lbs. \$1.75, 15 lbs. \$4.25.

Refugee Beans for Eating Fresh or for Canning

Sow in summer for late crop

Stringless Refugee. A very heavy cropper; its flavor is wonderful and it is absolutely stringless. Valuable for immediate use, for pickling or for canning. ½ lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., 5 lbs. \$2, 15 lbs. \$4.50.

Refugee or 1000-to-1. The pods are nearly round, light green, 5 inches long; fleshy, brittle, with slight strings. ½ lb. 20 cts., lb. 35 cts., 2 lbs. 65 cts., 5 lbs. \$1.50, 15 lbs. \$3.50.

See page 58 for Lima Beans, and varieties for growing under glass

Wax-Pod Bush Beans

Yield in from 8 to 10 weeks

Sure-Crop Stringless. Large plant with a strong, thick stem, standing up well during stormy weather. Bears an abundance of large, handsome, golden yellow pods which are quite stringless. Sure-Crop is resistant to rust. ½ lb. 25 cts., lb. 45 cts., 2 lbs. 80 cts., 5 lbs. \$1.90, 15 lbs. \$4.25.

Hardy Wax. One of the best round-podded stringless Wax Beans. The plants have thick, leathery leaves which resist cold, blight and plant diseases to a marked degree. Within 65 to 70 days of planting, Hardy Wax bears immense crops of slightly curved deep yellow pods of excellent, brittle quality. Remains in bearing for a long period. ½ lb. 30 cts., lb. 50 cts., 2 lbs. 90 cts., 5 lbs. \$2.10, 15 lbs. \$5.



Old Homestead Pole Beans

Pole Snap Beans

One pound plants 200 hills

CULTURE. Erect stout poles 3 feet apart; sow eight Beans in a circle around the base after danger of frost has passed; thin to five plants per pole. Or you may grow them against a wire fence.

Old Homestead (Green Kentucky Wonder). The pods are tender, stringless when young and silvery green, hanging in clusters throughout the plant. Begins to yield in ten weeks, and thereafter is a continuous and generous bearer. Pkt. 10 cts., ½ lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts., 5 lbs. \$1.75, 15 lbs. \$4.25.

Scarlet Runner. Has scarlet flowers. The green pods, though containing strings, are probably the best flavored of any Bean. Pkt. 10 cts., ½ lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., 5 lbs. \$2, 15 lbs. \$4.50.

Yard-Long Asparagus. Long, narrow, rounded pods. Pkt. 15 cts., ½ lb. 45 cts., lb. 85 cts., 2 lbs. \$1.50, 5 lbs. \$3.50.

Golden Cluster Wax. Pkt. 10 cts., ½ lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., 5 lbs. \$2, 15 lbs. \$4.50.

Brittle Wax. The earliest Wax Bean; also a great cropper. The bushes are hardy, while the pods are fleshy and entirely stringless. They are of fine flavor, round and solid, tender, brittle and entirely stringless. The seeds make excellent Shell Beans if allowed to ripen. ½ lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., 5 lbs. \$2, 15 lbs. \$4.50.

Black Wax. Round pods; early and good. Pkt. 10 cts., ½ lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., 5 lbs. \$2, 15 lbs. \$5.

BE SURE your land contains enough nitrogen-fixing bacteria to support growth. Play safe by using **LEGUME-AID**. Enough to treat up to 15 pounds of Beans. 25 cts.

DWARF LIMA BEANS

One pound will plant 50 to 100 feet of drill. Yield in from 12 to 14 weeks.

CULTURE. Sow Lima Beans after danger of frost is over and the soil is thoroughly warm. Sow Bush sorts in rows 2 feet apart and about 3 inches deep, putting the Beans 2 inches apart in the row "eye down," later thinning so that the plants stand 6 to 8 inches apart. For Pole varieties put six seeds in each hill, arranging the hills 3 feet apart each way. They require a pole 7 feet high, and when the vines have reached the top, pinch them and so increase the yield. Some gardeners plant under glass and transplant about the time seeds are usually sown. Limas always do best on a nice, rich, loamy soil.

Baby Potato. Awarded the Silver Medal for outstanding quality in the All-America Seed Selections for 1939. A sturdy plant and a great producer of Beans which are somewhat smaller than those of Fordhook. The pods which contain them are small, also, so the variety is possibly of more interest to the amateur than the commercial grower, but its refined flavor alone will warrant its adoption by the marketman. Pkt. 15 cts., 1/2 lb. 35 cts., lb. 60 cts., 2 lbs. \$1.10, 5 lbs. \$2.50.

Fordhook. A dwarf form of the popular Challenger or Potato Lima, and earlier. Pods measure 4 to 5 inches, frequently containing 4 fine Beans of medium size, thick, meaty, of the finest flavor, and very tender. Pkt. 10 cts., 1/2 lb. 30 cts., lb. 55 cts., 2 lbs. \$1., 5 lbs. \$2.25, 15 lbs. \$5.50.

Early Giant. A quick-growing variety. The short period in which this Bean matures enables it to be grown for succession, sowings being made from May 15 to July 10 in the neighborhood of New York. The flavor of this variety is particularly refined, and the Beans are large, thick, and flat. Pkt. 15 cts., 1/2 lb. 30 cts., lb. 55 cts., 2 lbs. \$1, 5 lbs. \$2.25, 15 lbs. \$5.50.

Improved Bush. A fine Bush Lima with pods filled with larger and thicker Beans, which are ready for picking very early. 1/2 lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts., 5 lbs. \$1.75, 15 lbs. \$4.25.

Henderson Bush. Beans are small, but are produced in quantity. 1/2 lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts., 5 lbs. \$1.75, 15 lbs. \$4.25.

POLE LIMA BEANS

One pound will plant 50 hills. Yield in from 13 to 15 weeks.

S. & W. Co.'s Green-seeded. Vigorous, branched vine, producing an abundance of pods, which are closely filled with large, broad-seeded, green Beans. It is finer flavored and more tender than white-seeded varieties. Pkt. 10 cts., 1/2 lb. 30 cts., lb. 55 cts., 2 lbs. \$1, 5 lbs. \$2.25, 15 lbs. \$5.50.

Sunnybrook. Very productive and of wonderful flavor. It is probably the quickest of all the Pole Limas to mature, and it is covered from ground to top with pods containing 4 or 5 fine Beans of quite the best quality, tender and sweet. 1/2 lb. 30 cts., lb. 50 cts., 2 lbs. 90 cts., 5 lbs. \$2.10, 15 lbs. \$5.25.

Challenger or Potato, Improved. Early and prolific. A small thick Bean of excellent flavor. 1/2 lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., 5 lbs. \$2, 15 lbs. \$4.50.

Ford's Mammoth. Beans flat and large. 1/2 lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts., 5 lbs. \$1.75, 15 lbs. \$4.25.

Early Leviathan. Early variety with pods in clusters. Splendid where the season is short. 1/2 lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., 5 lbs. \$2, 15 lbs. \$4.50.



Mary Washington Asparagus

Beans for Growing Under Glass

The Prince. New sort, quick to mature and cropping enormously. The pods are without string, meaty, of fine flavor, 11 to 12 inches long. Pkt. 20 cts., 1/2 lb. 45 cts., lb. 80 cts., 2 lbs. \$1.50, 5 lbs. \$3.50.

S. & W. Co.'s Wonder. Of fine color and refined flavor. Round, 6-inch pods are borne in great abundance. 1/2 lb. 35 cts., lb. 60 cts., 2 lbs. \$1.10, 5 lbs. \$2.50.

Maggie. Plant is stocky, and resistant to rust. The pods are long, meaty, and of the finest flavor. 1/2 lb. 35 cts., lb. 60 cts., 2 lbs. \$1.10, 5 lbs. \$2.50.

Masterpiece. Strong, quick grower and very prolific, the pods attaining a length of over 7 inches, straight, tender, meaty and stringless. Bean thick-flat. 1/2 lb. 35 cts., lb. 60 cts., 2 lbs. \$1.10, 5 lbs. \$2.50.

Broad (Fava) Beans

They like cold and should be planted early. Spray continuously against aphids and blight. Not recommended for the home-garden.

English Windsor. Heavy pods produced in pairs with 3 or 4 large Beans. 1/2 lb. 30 cts., lb. 50 cts., 2 lbs. 90 cts., 5 lbs. \$2.10, 15 lbs. \$5

Beans for Baked Beans

Grow until fully ripened; then shell.

Pea or Navy. 1/2 lb. 20 cts., lb. 30 cts., 2 lbs. 55 cts., 5 lbs. \$1.25, 15 lbs. \$3.25.

Red Kidney. 1/2 lb. 20 cts., lb. 35 cts., 2 lbs. 65 cts., 5 lbs. \$1.50, 15 lbs. \$3.50.

Edible Soy Beans

If you have plenty of room, grow this new 30-inch high crop, the yield of which is so high in proteins and fats. Send for our leaflet "Soy Beans as a Garden Crop."

Sawco Selected. An excellent variety. 1/2 lb. 35 cts., lb. 60 cts., 2 lbs. \$1.10, 5 lbs. \$2.50.

ASPARAGUS

One ounce of seed plants 50 feet of drill

CULTURE. Sow in drills at least 1 1/2 feet apart and thin so that plants do not overcrowd. When a year or more old, dig and replant in a prepared bed, as suggested under "Asparagus Roots."

Mary Washington. Asparagus is often damaged by rust. To control it plant Pedigreed Mary Washington, the most rust-resistant type we know. Seed, pkt. 10 cts., oz. 25 cts., 1/4 lb. 65 cts., lb. \$1.75.

Conover's Colossal. The standard variety. Reliable. Seed, pkt. 10 cts., oz. 25 cts., 1/4 lb. 60 cts., lb. \$1.50.

Asparagus Roots

A plot 6 feet wide and 50 feet long will be sufficient to plant 100 roots, enough for an ordinary family.

CULTURE. Dig a trench 1 1/2 feet deep and 1 foot wide, and fill in about 4 inches with well-rotted manure; tread down firmly. On this put about 5 inches of good, rich soil, and then lay the roots in, about 18 inches apart, taking care to spread well, having the crown in an upright position. Cover to within 4 inches of the top of the trench and, as the plants grow, gradually fill the trench to the surface. For spacing between the rows allow 2 feet. Let the plants grow two full seasons before cutting.

Mary Washington. Now recognized as our most valuable variety, both for commercial and private use. It is rust-resistant, particularly vigorous, and of wonderful quality. Produces large cuttings of colossal shoots, straight, dark green in color, and with a heavy purple overtone; the tight, firm tips do not begin to open out until well out of the ground. We offer roots from the raiser's original reselected seed. Extra-choice roots, \$3.50 per 100, \$30 per 1000. Extra-large clumps, for forcing, \$1.50 per doz., \$10 per 100, \$90 per 1000.

Conover's Colossal. A mammoth bright green sort, the tips of which are often tinged purple. Very tender and of good quality—quite the best of the older standard kinds. Mammoth roots, \$3 per 100, \$27.50 per 1000.

Purchaser pays transportation beyond 50 miles on Roots

ARTICHOKES

Globe Artichokes

One ounce will produce 500 plants

The scales and base of the flower-buds are eaten, either boiled, or raw as a salad. The young stems are sometimes tied together and blanched and served in the same manner as asparagus. The plants thrive best in deep, rich soil where water will not lodge in winter-time. Sow seeds indoors, and pot up similar to tomatoes, setting out in May, in rows 3 feet apart, leaving 2 to 3 feet between the plants. Cover with leaves in winter. Usually bears the second year, though a few heads may be had the first season.

Large Green Globe. The best variety. Pkt. 15 cts., 1/2 oz. 50 cts., oz. 90 cts., 1/4 lb. \$2.75.

Jerusalem Artichokes

Artichoke Tubers. Distinct from the Globe, and grown for the potato-like tubers. Plant in rows, 3 feet apart and 1 foot apart in the row; cultivate occasionally. Allow the tubers to remain in the ground until needed. They are excellent served boiled, like new potatoes. Qt. 50 cts., pk. \$3. Purchaser pays transportation beyond 50 miles of New York.

ELIMINATE MOLES

from your garden and lawns with MOLEFUME cartridges. Ignited and set in the runs they asphyxiate with monoxide gas. Box of 6 cartridges, 90 cts.

RED BEETS

One ounce will plant 100 feet of drill; 5 to 6 pounds, an acre.
Yield in from 8 to 11 weeks.

CULTURE. Seed may be sown from early spring to mid-July. The ground should be spaded well and deep, placing rows about 18 inches apart, and the drills 1 inch deep. Cover the seed carefully and firm in the ground by walking over the drills. When seedlings appear about 3 inches above ground, thin out to about 4 inches between the plants so as to give ample room for the proper development of the roots. Beets are best for pulling when about 2 inches in size.

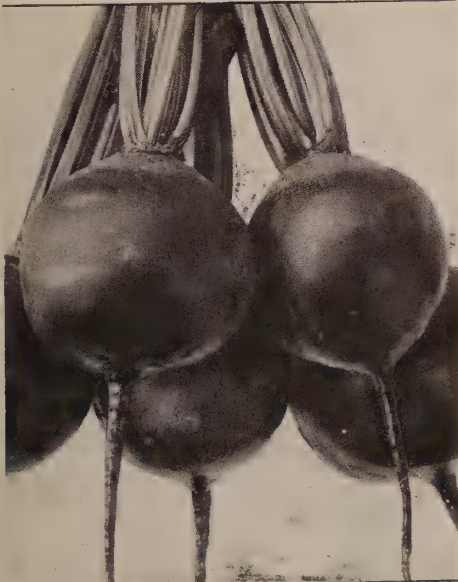
Round Types

Good for All. Wonderfully refined flavor, without earthiness and woodiness; uniformity in shape; regularity in size and color—these are the outstanding qualities of this Beet. A perfect globe, smooth and even. The foliage is sparse and short—barely a foot—and gray-green. Flesh is very free from rings or zones, being a uniform deep crimson-vermilion. Special Mention, All-America Seed Trials, 1934. Pkt. 15 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$2.

Crimson Globe. In about 70 days from planting, one-fourth of the Beets in the Crimson Globe row will be ready for table use. They do not all come to eatable size at the same time, some growing faster than others, thereby lengthening the period of perfection. Flesh bright red with light purple zones. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$1.75.

Green-Top Bunching. An early type, the bulbs of which reach a diameter of 3 inches in about seven weeks, are slightly flattened and of excellent table quality, free of objectionable fiber. The flesh is almost solid blood-red, while the foliage is a definite gray-green. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$1.75.

Detroit Dark Red, Exhibition Strain. This is specially reselected for depth of color, uniformity of shape, and general refinement. It is developed particularly to meet the requirements of the exhibitor and market gardener. Pkt. 15 cts., oz. 35 cts., $\frac{1}{4}$ lb. 95 cts., lb. \$2.50.



Good for All Beets

ROUND TYPES, continued

Detroit Dark Red. The round, dark red globe roots are uniformly smooth. The flesh of the very young Beets is almost black-red, turning to dark crimson with dark purple zones as the Beets grow larger. When cooked, the Beets are of an appetizing dark red and very sweet. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$1.75.

Sawco Wonder. An improved Early Wonder Beet which was given a gold medal rating by the All-America Selections Committee in 1934. Has all of the fine qualities of Early Wonder, but has, in addition, a fine dark-colored flesh, exceptionally tender and sweet. Pkt. 15 cts., oz. 35 cts., $\frac{1}{4}$ lb. 95 cts., lb. \$2.50.

Early Wonder. A variety which may be sown early, and will mature very rapidly. It is so uniform in growth that the crop can be lifted practically at one time. The root is nearly globular in shape, slightly flattened. The leaves are of medium size, and the color of the flesh is deep blood-red; sweet and free from strings. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$1.75.

Crosby's Original Egyptian. The smooth, dark red roots are topped with light green foliage, which is prominently speckled with dark red. The flesh is carmine, handsomely marked with white zones, very tender and of uniformly sweet quality. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.50.

Eclipse. An extra-early sort which produces Beets sixty days from sowing. Of uniform, dark rosy red; top-shaped; easily pulled. Flesh dark purplish red with rose zones; remains in table condition for ten days. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.50.

Extra-Early Egyptian. A variety which grows very quickly, producing roots of fine quality, flat and smooth. They are pulled when 2 inches in diameter. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.50.

S. & W. Co.'s Winter Keeper. A distinct strain of a main-crop, globe-shaped Beet produced by many years of painstaking selection. Two leading characteristics of this Beet are: the uniformly excellent flavor of its flesh and the remarkable manner in which this quality is preserved during winter storage. Beets are almost globe-shaped, tapering somewhat toward the root. The flesh is dark red, sweet and tender. A portion of the crop may be stored in a cellar or pit until spring. Pkt. 15 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1, lb. \$2.75.

Long Type

Long Blood. (Out of ground.) Late variety, the root of which is over a foot long. Five inches of this grows out of the ground. The flesh is deep red in color, sweet, and of high quality; it keeps through into the winter, and its size and shape obviously make it the most economical. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.50.

Cow Beets (Mangels) and Sugar Beets.
See page 74.



Italian Broccoli

BROCCOLI

TRUE ITALIAN MARKET STRAIN

One ounce will produce about 3000 plants.
Takes about 9 weeks from seed.

A delicious vegetable, akin to cauliflower but with a more distinctive flavor. Produces a large, compact, bluish green head. After this is cut, the plant produces numerous tender side shoots, each bearing a small head. May be sown February to July. Pkt. 20 cts., $\frac{1}{8}$ oz. 35 cts., $\frac{1}{4}$ oz. 65 cts., $\frac{1}{2}$ oz. \$1, oz. \$1.50.

BRUSSELS SPROUTS

One ounce will produce about 3000 plants.
Yields within 17 weeks of sowing seed.

S. & W. Co.'s Favorite. A half-dwarf strain of this fine vegetable, thickly covered with crowded, tight Sprouts, tender and delicious. Pkt. 20 cts., $\frac{1}{2}$ oz. 75 cts., oz. \$1.25, $\frac{1}{4}$ lb. \$3.50.

Cambridge 5. This new type from England, developed by experts there, is strong and stocky and you will find every plant heavy with sprouts of the most refined table quality you have ever enjoyed, extremely tight and much larger. Pkts. only, 50 cts each, 3 pkts. \$1.25.

CARDOON

Grown like celery. Sow in May and transplant 3 feet apart. Three weeks before using, the heads are tied, straw is piled, and soil heaped against the straw to blanch them. Pkt. 15 cts., $\frac{1}{2}$ oz. 50 cts., oz. 90 cts., $\frac{1}{4}$ lb. \$2.50.

CHERVIL

One ounce will plant 150 feet of drill

CULTURE. Treat and use like parsley, for garnishing and flavoring soups and salads. This is an ingredient in the chef's mixture of "Fines Herbes."

Moss Curled Extra. Pkt. 15 cts., oz. 35 cts., $\frac{1}{4}$ lb. 95 cts., lb. \$2.50.

COLLARDS

One ounce will produce about 3000 plants.
About 5 weeks from seed to cutting

Georgia. A leafy plant with a large, loose head. In the South it is widely used as a cooked vegetable. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.25.



S. & W. Co.'s Rubicore Carrots

CARROTS

One ounce will plant 100 feet of drill

CULTURE. Sow from March to July in drills $\frac{1}{2}$ inch deep and 14 inches apart; thin out to 4 inches.

Best Early Kinds

Yield in from 9 to 10 weeks

Rubicore. A new, early Carrot, deep orange-red, and the small core is almost the same color, which it retains in cooking, and it is as tender and sweet as the root itself—as "coreless" as a Carrot can be. The roots are $5\frac{1}{2}$ to 6 inches long, 2 to $2\frac{1}{2}$ inches at the shoulder, narrowing gradually to a blunt end. Pkt. 15 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.20, lb. \$3.50.

S. & W. Co.'s Melting Marrow. A specially fine half-long variety that is cylindrical in shape and of wonderful butter quality. The skin is smooth and the fine red color is carried through the entire root. This splendid Carrot is recommended also for exhibition purposes. The best Carrot from the culinary standpoint. Pkt. 15 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50, lb. \$4.

French Forcing. Largely grown under glass. It makes a small, almost globe-shaped root of an orange-red color. Pkt. 15 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50, lb. \$4.

Selected Chantenay. A splendid type of the half-long, stump-rooted Carrot. Quick to grow, it averages $5\frac{1}{2}$ to 6 inches in length, broad at the neck, narrowing gradually to a blunt end. The flesh is rich orange-red, free from core, tender, fine flavored, and of excellent table quality. Pkt. 10c., oz. 35c., $\frac{1}{4}$ lb. 95c., lb. \$2.50.

Greater Chantenay. Has all the palatability, tenderness, fine color, and speed of our regular strain of Chantenay, but the roots are fully $1\frac{1}{2}$ inches longer. Pkt. 15 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.10, lb. \$3.25.

Half-Long Scarlet Nantes. The skin is smooth, flesh red, and without any core. It is excellent for forcing and general use, and for quality it cannot be surpassed. Pkt. 15c., oz. 45c., $\frac{1}{4}$ lb. \$1.20, lb. \$3.50.

Oxheart or Guerande. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. 95 cts., lb. \$2.50.

Late Varieties

Yield in from 11 to 13 weeks

S. & W. Co.'s Imperator. Rich red color, of high culinary quality, free of core and fiber. An elongated Danvers type, round-shouldered, almost cylindrical for the first 6 inches, then gradually tapering to a point. Fine commercial sort, and excellent for the private estate or home-garden. Pkt. 15 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.20, lb. \$3.50.

Streamliner. In developing this Carrot, quality and flavor have been given as much attention as the needs of the commercial grower. Its deep color, with a slightly deeper core, its tenderness and its sweet flavor commend it to the home gardener. It is easier to pull, bunch, and wash, and it looks wonderful, so it just fits the market-man's requirements also. Pkt. 15 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.20, lb. \$3.50.

Selected Danvers. A handsome, tapering cylindrical Carrot of good size. Dark orange, of excellent table quality, smooth and has little core. Yields a greater weight per acre than almost any other variety. Selected stock for market gardeners and home use. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. 95 cts., lb. \$2.50.

Tendersweet. Gradually tapering, handsome, blunt-ended roots, about 9 inches long, and fine, deep orange-red in color. They are exceptionally sweet, tender and of high quality. Foliage is dark, with bluish stems. Pkt. 15 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.20, lb. \$3.50.

Long Red Surrey. Larger, better-flavored, and of a deeper orange color than most other types; flesh sweet and tender, never hard or woody. The smooth, even-shaped roots are of good size, 6 to 8 inches in length and 2 inches in diameter at the top, tapering gradually to the tip. Pkt. 15 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.20, lb. \$3.50.

Long Orange Improved. It grows 12 inches long and 3 inches in diameter. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. 95 cts., lb. \$2.50.

New Red Intermediate. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. 95 cts., lb. \$2.50.

Two Carrots for Prize Winning

Exhibition Chantenay and Exhibition Danvers. Two strains of these standard varieties that have been specially grown and selected for exhibition. Each, pkt. 20 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$1.75, lb. \$4.50.

CABBAGES

One ounce will produce about 3000 plants

CULTURE. Sow early kinds in hotbeds in February and March, and in the open ground during April and May. Late varieties for fall and winter use should also be sown in May. Plant 2 feet apart in each direction. Cabbages require good soil.

Early and Midseason Sorts

Yield in from 9 to 12 weeks

Golden Acre. A small but very fine variety. Early, and with round, solid, well-blanching heads. The few outer leaves are small, permitting close planting. Pkt. 15 cts., $\frac{1}{2}$ oz. 45 cts., oz. 85 cts., $\frac{1}{4}$ lb. \$2.50.

Improved Early Jersey Wakefield. One of the best early Cabbages. The heads are hard, solid, and pointed, with just a few outside leaves. Pkt. 10 cts., $\frac{1}{2}$ oz. 35 cts., oz. 65 cts., $\frac{1}{4}$ lb. \$1.75.

Charleston or Large-Type Wakefield. Retains all the characteristics of the Improved Early Jersey Wakefield with the added advantage of greater size. Pkt. 10 cts., $\frac{1}{2}$ oz. 35 cts., oz. 65 cts., $\frac{1}{4}$ lb. \$1.75.

EARLY AND MIDSEASON CABBAGE, continued

Babyhead. The head is less than 6 inches across, round, firm, and of splendid mild cooking quality. The outer leaves are few and small. The first to reach the table when grown outdoors. Pkt. 25 cts.

Copenhagen Market. The stem is short, the head round and solid. The heaviest of the extra-early varieties, and if left until fully mature, frequently weighs 8 to 10 pounds. The leaves are small, compact and close to the head, so it will stand close planting. The inside is fine-grained and tender. Pkt. 15 cts., $\frac{1}{2}$ oz. 45 cts., oz. 85 cts., $\frac{1}{4}$ lb. \$2.50.

Succession. A splendid second-early, round-headed sort. Pkt. 15 cts., $\frac{1}{2}$ oz. 45 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.

Yellows-Resistant Globe. Similar to Copenhagen Market and a few days later. Specially bred to resist disease. Pkt. 15 cts., $\frac{1}{2}$ oz. 45 cts., oz. 85 cts., $\frac{1}{4}$ lb. \$2.50.

S. & W. Co.'s Famous Early Conical. Pkt. 20 cts., $\frac{1}{2}$ oz. 45 cts., $\frac{1}{2}$ oz. 75 cts., oz. \$1.35, $\frac{1}{4}$ lb. \$4.

Late Cabbages

Yield in from 14 to 16 weeks

Danish Ballhead. A large Cabbage. The round heads are very solid, fine-grained and sweet-flavored. Pkt. 15 cts., $\frac{1}{2}$ oz. 45 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.

Large Late Flat Dutch. Fine for winter use. Pkt. 10 cts., $\frac{1}{2}$ oz. 35 cts., oz. 65 cts., $\frac{1}{4}$ lb. \$1.75.

Danish Drumhead. Pkt. 15 cts., $\frac{1}{2}$ oz. 45 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.

Savoy Cabbage

Yield in from 12 to 13 weeks

American Drumhead Savoy. The round, wrinkled heads are solid, large, and well shaped, and in table quality they resemble the better garden Cabbages. Pkt. 10 cts., $\frac{1}{2}$ oz. 45 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.

Odorless Savoy, Cornell Early. Crinkled, dark green foliage. Heads average 2 pounds in weight and mature in two and one-half months from transplanting. Crisp, succulent variety; with mild, appealing flavor. Odorless while cooking. Pkt. 25 cts., $\frac{1}{2}$ oz. 75 cts., oz. \$1.25.

Red Cabbages

Yield in from 11 to 15 weeks

Mammoth Rock Red. This is the best, largest and surest heading Red Cabbage. The plant is handsome, with numerous spreading leaves, large, round, and very solid heads. Pkt. 10 cts., $\frac{1}{2}$ oz. 45 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.

Early Red. A small early sort. Very refined and uniformly dark red. Pkt. 15 cts., $\frac{1}{2}$ oz. 45 cts., oz. 85 cts., $\frac{1}{4}$ lb. \$2.50.

Chinese or Celery Cabbages

Yield in about 11 weeks

A desirable vegetable, nearer to Mustard than Cabbage, palatable and healthful. A cool-weather crop; sow early in spring, or in August for late autumn cropping.

Pe-Tsai. (Chihli Strain.) Looks like a long Cos Lettuce, but its crisp leaves and mid-ribs have a Cabbage flavor. Pkt. 10 cts., $\frac{1}{2}$ oz. 35 cts., oz. 65 cts., $\frac{1}{4}$ lb. \$1.75.

Wong Bok. A very compact plant, short and broad. Pkt. 10 cts., $\frac{1}{2}$ oz. 25 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.25.

CELERY-BLEACHING TUBES

simplify the culture of this plant. In the 13-inch size they cost \$3 per 100. See Implement Section for prices of other sizes.



S. & W. Co.'s Best of All Cauliflower

CAULIFLOWER

One ounce will produce about 3000 plants. From 10 to 14 weeks from seed to harvest.

CULTURE. Sow in February or March in a hot-bed and transplant in April. Have the plants 2½ feet apart. Rich soil is essential. Outdoors sow the first week in May and transplant in July. For wintering under glass sow in September; transplant thickly into a cold pit or frame; give plenty of air in mild weather, and cover up well when conditions are severe. When the flower is the size of an egg, tie the leaves together, or bend them to form a cover.

S. & W. Co.'s Best of All. The easiest grown and surest heading Cauliflower offered today. In habit the plant is very dwarf, stocky, and erect. Fewer leaves enable it to be planted closer than usual. In suitable soil, every plant will form a large, handsome head of the finest quality. Pkt. 25 cts., ½oz. \$1.25, ¼oz. \$2, ½oz. \$3.75, oz. \$7.

Early Snowball (Snowdrift). Wonderful, sure-heading, dwarf variety; the outer leaves are small, hence it is particularly adapted to growing under glass, also for spring planting outdoors. Is, too, an excellent autumn sort. Pkt. 25 cts., ½oz. \$1, ¼oz. \$1.75, ½oz. \$3.25, oz. \$6.

Extra-Early Dwarf Erfurt. Because of its exceedingly dwarf habit and rapidity of growth, this variety is desirable for forcing under glass; also suitable for the open ground. Pkt. 25 cts., ½oz. \$1, ¼oz. \$1.75, ½oz. \$3.25, oz. \$6.

Danish Dry Weather. Stands adverse conditions better than others. The heads grow to a large size, are very solid, pure white, and of delicious flavor. Pkt. 25 cts., ½oz. \$1, ¼oz. \$1.75, ½oz. \$3.25, oz. \$6.

Autumn Giant. This is larger and slower-growing than the above varieties; more suitable for use in warmer climates. Pkt. 10c., ¼oz. 45c., ½oz. 85c., oz. \$1.50.

Italian Purple. Head purple, cooking to green; in flavor it is similar, but superior to broccoli and cauliflower. Quick growing and disease-resistant. May be sown under glass and transplanted, or outdoors in June for an autumn crop. Pkt. 25 cts., ½oz. 85 cts., ¼oz. \$1.50, ½oz. \$2.75, oz. \$5.

CRESS (Pepper Grass)

Curled or Pepper Grass. The young seedlings are used for salads, and they make delicious fillings for sandwiches. Sow at short intervals for succession. Pkt. 10 cts., oz. 25 cts., ¼lb. 65 cts., lb. \$1.75.

True Erfurt Water Cress. Pkt. 15 cts., ½oz. 45 cts., oz. 85 cts., ¼lb. \$2.50.

CRISP CELERY

One ounce will produce 3000 plants.

Early sorts take around 15 weeks, late sorts about 18 weeks.

CULTURE. Sow the seed in a coldframe, or in a dry border as early as the ground can be worked. Transplant or thin out 5 to 6 inches apart, and allow to grow until wanted for setting out into the beds or trenches in July. Rows or double rows should be 3 feet apart and the plants set about 8 inches apart in the row. Two to three weeks prior to harvesting, the plants should be boarded or earthed up to blanch them.

Early Quick-Blanching Varieties

Golden Plume. The improvements over Golden Self-blanching are (a) superior flavor, (b) wonderful color, (c) resistance to blight and rust, (d) earlier maturity, (e) superior keeping qualities, (f) increased size. It possesses a nutlike flavor, and is handsome in appearance. Pkt. 25 cts., ½oz. 75 cts., ¼oz. \$1.25, ½oz. \$2, oz. \$3.50.

Golden Treasure. This finds the greatest favor today in the New York market. A reselection from Golden Plume whereby a taller type has been produced, and the head is thicker. Flavor is most refined. Preferred to the standard sort by some. Pkt. 35 cts., 3 pkts. \$1, oz. \$4.50.

Earligrreen. The finest, earliest large green Celery. The very full heart is pure white, brittle, and of the most delicious flavor. Pkt. 25 cts., ½oz. 75 cts., ¼oz. \$1.25, ½oz. \$2, oz. \$3.50.

Summer Pascal. Unsurpassed in nutty flavor. An almost ribless, easy-blanching green Celery of such quality that even the long, straight outer stems are stringless. As early as Golden Plume; about 3 inches taller. Pkt. 35 cts., 3 pkts. \$1.

Paris Golden Self-blanching. Compact, stocky, with golden green leaves and fine, nutty flavor. Pkt. 15 cts., ¼oz. 35 cts., ½oz. 65 cts., oz. \$1, ¼lb. \$3.

Improved White Plume. Tender and of the very best flavor. Pkt. 15 cts., ½oz. 45 cts., oz. 75 cts., ¼lb. \$2.

CELERIAC, Large Smooth. Turnip-shaped roots, which are white-fleshed, tender, and possess the flavor of celery stalks. Pkt. 15 cts., ½oz. 45 cts., oz. 75 cts., ¼lb. \$2, lb. \$7.50.



Golden Plume Celery

Well-Keeping Winter Varieties

New Easy-Blanching. Large; green; leaves blanch white. Good keeper, though only two weeks later than Paris Golden. The flesh is crisp and brittle, the flavor good. Pkt. 25 cts., ½oz. 50 cts., ¼oz. 75 cts., ½oz. \$1.25, oz. \$2, ¼lb. \$7.50.

Winter Queen. Medium large, light green in color. Blanching and keeps well. Pkt. 10 cts., ½oz. 35 cts., oz. 65 cts., ¼lb. \$1.75.

Giant Pascal. Pkt. 10 cts., ½oz. 30 cts., oz. 50 cts., ¼lb. \$1.50.

Covent Garden Red. Pkt. 25 cts., ½oz. 50 cts., ¼oz. 75 cts., ½oz. \$1.25, oz. \$2.

Cutting Celery. (For Soup Greens.) Strongly germinating seed. Pkt. 10 cts., oz. 40 cts., ¼lb. \$1.

CUCUMBERS

One ounce will plant about 50 hills. Yield in about 9 weeks

CULTURE. Sow seed in hills 4 feet apart each way after mid-May and at intervals up to mid-August.

Straight-8. A new green Cucumber of excellent quality. The fruits show no lighter striping, are about 8 inches long and 1½ inches through, symmetrical and uniform. Pkt. 15 cts., oz. 35 cts., ¼lb. \$1, lb. \$2.50.

New Davis Perfect. Dark, glossy green, slim and symmetrical, 10 to 12 inches long. Flesh brittle, and of good flavor. Pkt. 10c., oz. 25 cts., ¼lb. 65 cts., lb. \$1.75.

Improved Early White Spine. Fruits slightly pointed, smooth and deep green; white lines at the blossom-end. Splendid table Cucumber or for pickling. Pkt. 10 cts., oz. 20 cts., ¼lb. 60 cts., lb. \$1.50.

Cool and Crisp. An excellent pickling or slicing Cucumber of good size, tender and crisp; very early and prolific. Pkt. 10 cts., oz. 25 cts., ¼lb. 65 cts., lb. \$1.75.

The Lemon. In appearance it resembles a lemon, but edible qualities are good, and it withstands drought and disease well. Pkt. 15 cts., oz. 30 cts., ¼lb. 75 cts., lb. \$2.

Extra-Long Green. Standard variety about 1 foot in length, of excellent quality; when young makes good pickles. Pkt. 10 cts., oz. 25 cts., ¼lb. 65 cts., lb. \$1.75.

Longfellow. A long, slender, very dark white-spine Cucumber, desirable for outdoor planting as well as forcing. Pkt. 15 cts., oz. 35 cts., ¼lb. \$1, lb. \$2.50.

Staysgreen. Reliable and popular commercial white-spine variety. It holds well its beautiful medium dark green color and ships well. The fruits are 8 to 9 inches long, straight, smooth, and of excellent salad crispness. Pkt. 15 cts., oz. 30 cts., ¼lb. 75 cts., lb. \$2.

Japanese Climbing. Distinct climbing sort to train on pole or fence. Good for pickling or slicing. The fruit is about 1 foot long, smooth and dark green. Pkt. 10 cts., oz. 25 cts., ¼lb. 65 cts., lb. \$1.75.

Green Prolific (Boston Pickling). For pickling, because small. For slicing also. Pkt. 10 cts., oz. 25 cts., ¼lb. 60 cts., lb. \$1.50.

Orient. Withstands drought and disease. Its long, dark green fruits, measuring up to 18 inches, are unusually solid and crisp. Pkt. 15 cts., ½oz. 30 cts., oz. 50 cts.

Greenhouse Cucumbers

S. & W. Co.'s Improved Telegraph. Very dark green, long and straight. We offer a special strain of this variety. Pkt. (15 seeds) 50 cts., 5 pkts. \$2.

Forcing White Spine. Similar to the outdoor White Spine but larger. It grows freely under glass, and is early, prolific, robust and of simple cultivation. Pkt. (25 seeds) 25 cts., 5 pkts. \$1.

Everyday. Plants set freely at all seasons of the year. Fruit good length, deep green in color, almost smooth, and of splendid flavor. Pkt. (15 seeds) 35 cts., 5 pkts. \$1.50.

Treat Your Seed with CROW REPELLENT

Don't sow merely to feed the birds. Sufficient for a total of 1 bushel, 60 cts.

SUGAR CORN

Pound plants 200 feet of drill or 200 to 300 hills

CULTURE. May be gathered daily from July to frost if you plant every three weeks, from April to July; hills 3 feet apart, and six seeds in a hill; cover about half an inch; thin out to three plants.

New Hybrids

**ALL-AMERICA
BRONZE MEDAL**

Allegheny. New yellow variety, medium late, with

large ears and deep, very narrow, tender kernels. Table quality is of the best, and Allegheny should prove excellent for the market grower, canner and the home gardener who has sufficient space for a tall Corn. Pkt. 25 cts., $\frac{1}{2}$ lb. 60 cts., lb. \$1, 2 lbs. \$1.90.

Honey Cross. A first-early hybrid of wonderful table quality; probably the sweetest Corn you have ever eaten. It is a good market variety and very suitable for the backyard garden also. Definitely resistant to disease. Ears long, 12- to 14-rowed, with light cream-yellow, medium broad kernels. Pkt. 20 cts., $\frac{1}{2}$ lb. 50 cts., lb. 85 cts., 2 lbs. \$1.65.

Spancross. Highly resistant to Stewart's disease. Splendid for home-gardens. Ears have 10 to 12 rows of delicious golden yellow kernels. Ten days earlier than Golden Cross Bantam. Pkt. 15 cts., $\frac{1}{2}$ lb. 45 cts., lb. 75 cts., 2 lbs. \$1.45.

Golden Cross Bantam. Modern sort, showing remarkable resistance to wilt, increased yield, ability to withstand adverse weather, uniformity of ear, etc. Its stalks are sturdy, ears 7 to 8 inches long, 10 or 14-rowed, maturing in 88 days. Pkt. 15 cts., $\frac{1}{2}$ lb. 35 cts., lb. 60 cts., 2 lbs. \$1.10, 5 lbs. \$2.50.

Stowell's Evergreen Hybrid (Late). Similar to our regular Stowell's, but sturdier, uniform and more resistant to disease. Pkt. 20 cts., $\frac{1}{2}$ lb. 50 cts., lb. 90 cts., 2 lbs. \$1.75.

Early Sorts

Yield in 10 to 12 weeks from planting

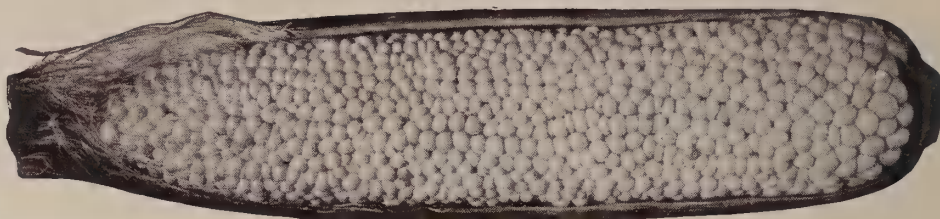
Spanish Gold. A 10- to 12-rowed Corn of most delicious flavor. Ears 6 to 7 inches long, packed with bright, golden yellow kernels, tender and sweet. Dwarf, therefore needs less room. $\frac{1}{2}$ lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., 5 lbs. \$2, 15 lbs. \$4.50.

New Wonder Bantam. Grows 5 to 6 feet in height, bearing ears 8 to 10 inches in length, filled with 8 rows of rich, golden yellow, sugar-sweet kernels. More vigorous, more productive, and yields larger ears than Golden Bantam. $\frac{1}{2}$ lb. 25 cts., lb. 45c., 2 lbs. 85c., 5 lbs. \$2, 15 lbs. \$4.50.

Golden Wedding. Like Golden Bantam, but the ears are larger and have 12 or more rows instead of 8. In flavor we consider it superior. Resistant to wilt. Pkt. 15 cts., $\frac{1}{2}$ lb. 30 cts., lb. 50 cts., 2 lbs. 90 cts., 5 lbs. \$2, 15 lbs. \$5.

Golden Bantam. Wonderful for flavor. Plants 4 feet high, usually bearing two or more ears. When ready for the table the ears are creamy yellow. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 70 cts., 5 lbs. \$1.65, 15 lbs. \$4.

S. & W. Co.'s Midget. Suitable for culture under glass and for gardens of limited area. The tiny plant grows about 30 inches, the ears are only 3 to 4 inches long, but from two to five of them are on a single stalk. The kernels are white, meaty, and very sweet. Pkt. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.



Golden Colonel Sugar Corn

EARLY SORTS, continued

Black Mexican. Jet-black ears; very sweet. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 70 cts., 5 lbs. \$1.65.

Hawling Mob. Fine white early sort. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts., 5 lbs. \$1.75.

Metropolitan. Large; white; medium early. $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 70 cts., 5 lbs. \$1.65, 15 lbs. \$4.

Late Sorts

Yield in 13 to 15 weeks from planting

Golden Colonel. A hybrid which has the unsurpassed flavor and rich yellow color of Golden Bantam, along with the shoepeg grains, large zig-zag ear, and 8-foot stature of Country Gentleman. Pkt. 20 cts., $\frac{1}{2}$ lb. 50 cts., lb. 85 cts., 2 lbs. \$1.65, 5 lbs. \$3.75.

Country Gentleman. Retains its delicate flavor even when a little old. The ear is large, cob is small, and the pearly white kernels of great depth. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 70 cts., 5 lbs. \$1.65, 15 lbs. \$4.

Stowell's Evergreen. The ears are of large size, grains deep, exceptionally tender and sugary. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 70 cts., 5 lbs. \$1.65, 15 lbs. \$4.

Long Island Beauty. $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 70 cts., 5 lbs. \$1.65, 15 lbs. \$4.

CORN SALAD

One ounce will plant 150 feet of drill

CULTURE. Seed may be sown thinly in drills 18 inches apart in early spring, and later for succession although early fall seedings are preferred. The latest sowings may be wintered if lightly mulched.

Large-leaved. Tested seed of high vitality. Pkt. 15c., oz. 45c., $\frac{1}{4}$ lb. \$1.25, lb. \$3.50.



S. & W. Co.'s Midget Corn

CHICORY

Witloof (French Endive). Sow in spring in drills 18 inches apart, thinning out the plants to 3 inches. Long parsnip-like roots are formed; these are lifted in the fall and trimmed. They may be planted during winter in a deep trench in a cellar or under a greenhouse bench, so that the neck of the root is 9 inches below the top of the trench, which is then filled level with sandy soil, sand, or manure; through this the familiar white salad appears in about a month. Pkt. 20 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$1.75, lb. \$5.50.

Large-rooted Magdeburg Chicory. Pkt. 15 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$1.65, lb. \$4.50.

DANDELION

One ounce will plant about 100 feet of drill

CULTURE. Sow in drills 1 foot apart. Thin the plants to stand 4 inches apart. Dandelion may be blanched like endive, or it may be sown later in the season, plants covered lightly with salt hay, and the following spring they will be fit for use.

Large Thick-leaved. Pkt. 15 cts., $\frac{1}{2}$ oz. 45 cts., oz. 85 cts., $\frac{1}{4}$ lb. \$2.50.

French Garden. Pkt. 10 cts., $\frac{1}{2}$ oz. 30 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$1.50.

EGGPLANT

One ounce will produce about 1000 plants. Yield in about 11 weeks after planting out

CULTURE. Sow during March indoors; transplant into the garden when settled fine weather has arrived. The plants should stand 2 feet apart.

Early Beauty. The earliest, large-sized Eggplant. Particularly desirable for sections with short growing seasons. Fruits dark purple, long-globe shape; productive. Pkt. 20 cts., $\frac{1}{2}$ oz. 60 cts., oz. \$1.

Fort Myers Market. The plants produce a continuing crop of fruit all summer. These are longish-oval, large, deep black, and of superior table quality, with none of the objectionable "tang" that is found in some. You should grow this variety because it resists the diseases to which most sorts are liable. Pkt. 15 cts., $\frac{1}{2}$ oz. 45 cts., oz. 85 cts., $\frac{1}{4}$ lb. \$2.50.

New York Improved Spineless. The fruits are large, round-oval, of a rich deep purple-black color and splendid quality. Free from spines. The large fruits are sometimes produced 10 to a plant. Pkt. 10 cts., $\frac{1}{2}$ oz. 40 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.25.

Long Purple. Pkt. 15 cts., $\frac{1}{2}$ oz. 40 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.

Black Beauty. Early, large sort. Pkt. 15 cts., $\frac{1}{2}$ oz. 45 cts., oz. 85 cts., $\frac{1}{4}$ lb. \$2.50.

Japanese. The fruits are smaller than those of standard varieties, but the variety is earlier and very prolific. Color dark purple; very thin-skinned; flavor and texture are superior. Pkt. 20 cts., $\frac{1}{2}$ oz. 60 cts., oz. \$1.

White Giant. The fruits are thick, pear-shaped, large and white. The flavor is delicate and pleasing. An interesting and meritorious novelty. Pkt. 35 cts., 3 pkts. \$1.

ENDIVE

One ounce will plant 200 feet of drill.
Gather about 13 weeks after sowing

CULTURE. Sow seed from middle of June till last of August. When the plants are fully grown, tie the outside leaves over the heart, to blanch it; this will take a week. Do not tie the leaves when wet.

ALL-AMERICA HON. MENTION

Bavarian Cos. A distinct new variety. It is of the

Escarolle type, but the growth is upright, with longer and wider leaves; these curve over and protect the very full hearts to blanch them, much like a Romaine lettuce. Pkt. 15 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1, lb. \$2.75.

Deep Heart. Awarded the Silver Medal for outstanding quality in the All-America Seed Selections for 1939. A fringed or curly type, but with the general broad-leaved habit of escarolle. It is more upright, however, giving it a well-filled heart which will blanch better and be less likely to take soil-carried disease. Normally, it is 10 to 12 inches across and 7 to 8 inches deep. Suitable for all market, estate and private gardens. See illustration below. Pkt. 15 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1, lb. \$2.75.

Broad-leaved Batavian (Escarolle). Not offered. We recommend the superior **Full-hearted**, described below.

Full-hearted. A newer variety of fine quality, closely resembling Broad-leaved (Escarolle), on which it is an improvement, but the head is more compact and full; it blanches easily. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$2.

Green Curled Rose-ribbed. (Self-blanching.) Quicker to mature and more upright in growth than the ordinary type. Grown 6 inches apart, in good, rich soil, the plants quickly crowd so that they blanch. Pkt. 15c., oz. 35c., $\frac{1}{4}$ lb. 95c., lb. \$2.25.

Green Curled. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$2.

White Curled. A variety which blanches readily and is very tender. Similar to Green Curled, but the leaves are naturally of a light golden tint. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$2.

FRENCH ENDIVE. See Chicory.

HORSE-RADISH

Roots. Will produce good Horse-radish in one season. Plant in rich soil so that the top of the root will be 2 inches underground. 25 cts. per doz., \$1.50 per 100.



Deep Heart Endive

KOHLRABI

One ounce will plant about 200 feet of drill.
Ready in from 8 to 9 weeks

CULTURE. Sow in spring in rows 18 inches apart, and thin away the plants to 6 inches.

Triumph of Prague. A perfect white Kohlrabi; very uniform in shape, size, and color. Short top. A first-early sort. Pkt. 15 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50, lb. \$4.50.

Earliest Selected. Very refined flavor. The leaves are small, so this Kohlrabi may be used for forcing, as well as for outside planting. Pkt. 15 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50, lb. \$4.50.

Early White Vienna. Pkt. 10 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.20, lb. \$3.50.

Early Purple Vienna. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1, lb. \$3.

KALE

One ounce will produce about 3000 plants.
Ready to cut in about 10 weeks

CULTURE. Sow in May, June, or July in shallow drills; when large enough, transplant singly into rows, allowing 24 inches between the plants.

Silverheart. The most delicious of the autumn "greens." It is a tall Kale, the top leaves of which turn to a creamy white after first frosts; this enhances the fine flavor and tenderness. Pkt. 15 cts., oz. 35 cts., $\frac{1}{4}$ lb. 95 cts., lb. \$2.25.

Dwarf Green Curled Scotch. Is at its best after frosty weather has set in. The leaves are curled like fine parsley. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$2.

Siberian Kale or Sprouts. Not so densely curled, but very hardy and yields heavily. Known as "German greens." Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.50.

Dwarf Brown Kale. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$1.75.

LEEK

One ounce will plant about 100 feet of drill.
Leeks require about 15 weeks from seeding to edible stage

CULTURE. Sow seed in early spring outdoors. When plants are about 6 inches long, transplant them to trenches 6 inches deep, in rich soil. Fill up the trenches as the plants grow, and later draw soil up to them. As a result you will have fine, large Leeks blanched a half foot long, which may be kept all winter if dug up with the roots on and stored in sand in the cellar.

S. & W. Co.'s Exhibition. Preferred by prominent exhibitors in vegetable competitions. Pkt. 35 cts., 3 pkts. \$1.

Large American Flag. A large-growing type. On account of its dependability and ease of culture, is widely used for both family and market. The best sort for you to grow. Pkt. 15 cts., $\frac{1}{2}$ oz. 50 cts., oz. 90 cts., $\frac{1}{4}$ lb. \$2.50, lb. \$7.50.

Musselburgh. A hardy winter variety. Popular with market gardeners. Pkt. 15 cts., $\frac{1}{2}$ oz. 50 cts., oz. 90 cts., $\frac{1}{4}$ lb. \$2.50, lb. \$7.50.

MARTYNIA

The lilac-purple flowers are followed by curved seed-pods. These are pickled. Sow when frost is over and transplant to stand 3 feet apart. The plants are very sensitive to frost. Pkt. 15 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50, lb. \$4.25.



Kohlrabi

MUSHROOMS

CULTURE. Turn fresh manure every day for four days; then build beds with it, 1 foot thick when tamped firmly. As the internal temperature falls to 85 degrees, plant the spawn, broken into walnut-size pieces. Cover with 3 inches of hay for a week; remove, and spread 1 inch of soil in its place. Keep cellar or shed at 60 degrees, and moisten walls and floors daily. Gathering should begin in six weeks.

Also, spawn may be plugged into the lawn, and a crop of Mushrooms may be expected in the autumn.

Bottle Spawn. Spores have been selected from specimen Mushrooms and propagated in sterile bottles, the Spawn removed, dried, and packed in cartons. Excluded from the Spawn are the spores of other fungous growths. One quart will spawn 35 square feet. Qt. \$1.25, 6 qts. \$6.50, 12 qts. \$12.

NOTE. We have discontinued listing Brick Spawn, owing to the marked superiority of the above and the preference for it on the part of most of our customers.

MUSTARD

One ounce will plant 75 feet of drill

CULTURE. Sow frequently through the spring, in drills from 8 to 12 inches apart. The first two varieties are used for boiled "greens;" White London for sandwich material.

Fordhook Fancy. A variety with crested and cut leaves, and having a feathered appearance. Served as spinach, the flavor is inviting, while the plant possesses healthful tonic properties. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.25.

Giant Southern Curled. The plant grows 3 feet tall, and the broad, succulent leaves are cut and frilled. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.

White London Mustard. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.25.

Mustard Spinach (Tendergreen). A new boiling vegetable, healthful and palatable. Has a pleasant flavor, and many who do not like true Spinach will relish it. Cut within a month of sowing seed. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.25.



New York Lettuce

LETTUCE

One ounce will plant 150 feet of drill.
Matures in from 11 to 12 weeks

CULTURE. About the middle of March sow in the hotbed. When seedlings are about 2 inches tall, transplant them to a coldframe. By May 1, set out in the garden, 1 foot apart. These plants should give you well-developed heads by Decoration Day.

As soon as the ground can be worked outdoors, sow early sorts. Gradually thin until the plants finally stand 16 inches apart. After mid-May, do not sow early kinds, but select sorts like All-Seas and New York. Make repeated sowings to have Lettuce always available. In August sow Thanksgiving Day. Continuous hoeing is important.

New York or Wonderful Lettuce

This is "Iceberg" in the vegetable market, but the true Iceberg is described in the next column. New York is a large, gray-green, solid sort, with crumpled leaves and a creamy white, very crisp heart; it is so popular as a commercial variety that many attempts are being made further to improve it. Here are four of the latest sub-strains of this fine sort. Let us recommend No. 44 if your land is low, black and rich; No. 847 if it is more loamy.

Imperial No. 44. White seed. This strain withstands hot weather better than others and will hold back its seed-heads longer and under more adverse conditions. Leaves are mid-green in color, thick, and the creamy white head is firm and somewhat flattened. Pkt. 15 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.20, lb. \$3.50.

Imperial No. 847. Black seed. A strain that has given good results on upland soil. It is good for an early transplanted crop and for the first field planting in the spring. Excellent for autumn plantings. Heads are medium green, well rounded, solid, and with a short core. Pkt. 15 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.10, lb. \$3.25.

New York No. 515. White seed. One of the more suitable sub-strains for the conditions adjacent to Greater New York and in demand among the growers in that area. Pkt. 15 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1, lb. \$3.

New York No. 12. White seed. Plant large; dark green, crisply curled leaves, tightly folded, large cabbage-like head, which is well blanched, crisp and sweet. Suitable for spring and late summer plantings. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. 95 cts., lb. \$2.25.

Other Heading Lettuce

Cosberg. Similar to New York in general appearance, but distinct, smaller, and more suitable for the home-garden. Pale, softer green leaves, and medium-sized, solid heads; excellent crisp salad quality. It stands heat well. Pkt. 15 cts., oz. 35 cts., $\frac{1}{4}$ lb. 95 cts., lb. \$2.25.

Wonder of Stuttgart. A large-heading variety of the White Boston type. Resists heat well. Heart buttery yellow and of very high quality. At least 50% larger than other Boston types. Pkt. 20 cts., $\frac{1}{2}$ oz. 75 cts., oz. \$1.25.

Iceberg (California Simpson). A splendid, crisp-head sort. Has strong center ribs, which bend toward the heart of the plant, keeping it thoroughly blanched. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$2.

Big Boston. (White seed.) As an early spring variety it is reliable, and it is suitable for autumn growing also, but it does not do well as a summer Lettuce. The heads are large, and fine-flavored. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$1.75.

Unrivaled Summer. Quick-growing sort which forms large heads similar to Big Boston but lighter in color. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$2.

May King. Unquestionably one of the best all-round, early, outdoor Lettuce, forming solid heads of bright green, the edges of the center leaves tinged brown; the heart is yellow and of ideal flavor. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$1.75.

Mignonette. A curled heading Lettuce of medium size, very solid, compact, and hard. It is brown in color, with a white heart. Resistant to heat. Pkt. 15 cts., oz. 35 cts., $\frac{1}{4}$ lb. 95 cts., lb. \$2.50.

Salamander Perfected. Also called Black-seeded Tennisball. An excellent summer variety. Grows to large size, with tightly folded leaves covering the center, which blanches a light golden. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$2.

Thanksgiving Day. A fine-flavored Lettuce for sowing in summer to produce a late crop. Outer leaves are brown and fringed, but the firm, solid head is bright gold-green. Pkt. 15 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50, lb. \$4.

Tom Thumb. For indoor culture. The small, firm heads are of excellent quality, while the leaves are dark green and very crumpled. Outdoors it is suitable for spring and fall. Pkt. 15 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$3.50.

Golden Queen. Pkt. 15 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1, lb. \$3.

Cos or Romaine Lettuce

Upright-growing type. When about a week short of maturity, it is usual to draw the outer leaves together and tie them, blanching the inner heart and greatly enhancing its noted crispness and fine flavor.

Cos Lettuce is easy to grow, slow to bolt to seed and economical of garden space.

Giant White Cos. Although this fine Cos Lettuce attains a large size, the immense heart is crisp, tender, and excellent; self-closing. Pkt. 15 cts., $\frac{1}{2}$ oz. 45 cts., oz. 85c.

Dark Green Cos. A new mammoth sort, self-closing, resistant to cold, and slow to bolt during hot weather. Pkt. 15 cts., oz. 35 cts., $\frac{1}{4}$ lb. 95 cts., lb. \$2.50.

Paris White Cos or Romaine. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$2.

Trianon Self-closing Cos. Pkt. 15 cts., oz. 35 cts., $\frac{1}{4}$ lb. 95 cts., lb. \$2.50.

Loose-leaved Lettuce

Early Curled Simpson. Splendid curly-leaved sort. Seed sown in the coldframe about the middle of March and transplanted about the middle of April will supply the table in May and June. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$1.75.

Grand Rapids. There is no better forcing variety than Grand Rapids, and it is quite as good for outdoor culture. Large, beautiful leaves; crisp and tender. Pkt. 15 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$2.

Black-seeded Simpson. Excellent outdoor variety; the easiest to grow. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$1.75.

Lettuce grows best in soil that drains well but contains sufficient organic matter to make it retentive of moisture. Humus is a good material to dig under.

OKRA or GUMBO

One ounce will plant about 100 feet of drill

CULTURE. Sow in late May in drills 1 inch deep and 3 feet apart; thin to 12 inches.

Clemson Spineless. Awarded the Silver Medal for outstanding quality in the All-America Seed Selections for 1939. A new and improved sort, almost spineless and of excellent quality. For both the home and market garden, and for canning. Pkt. 15 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$2.

Lady Finger. Very productive; extra-long, slender, rounded pods. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.

Long Green. Long ribbed pods. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 40 cts., lb. 90 cts.

White Velvet. Pods are round, smooth and white; superior flavor. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.

Dwarf Green. Short, deep green pods. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.



Bender's Surprise Melon. (See next page)

MELON (*Cantaloupe*)

One ounce will plant about 80 hills.
Yield in from 12 to 14 weeks

CULTURE. Sow the seed in April under Hotkaps, and in the open air in May in hills 6 feet apart each way. Use in each hill from 8 to 10 seeds. When the plants have produced their rough leaves, thin out to three plants per hill. As soon as the plants make their appearance above ground, dust them with Hortex or similar material.

Golden or Orange-fleshed

Hale's Best. Most superior melon of the Rocky Ford type; oval shape. Quick to produce its fruits; the flesh is salmon-orange, sweet, and of fine quality. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$2.

Bender's Surprise. An almost round melon of medium size, with very thick, sweet, pink flesh of luscious, melting quality. The dark green, heavily netted skin ripens to an attractive gold. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$2.

Banana. Narrow, curved, and as much as 30 inches in length. The flesh is a deep salmon, sweet, and of good quality. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$1.75.

Selected Emerald Gem. The skin is a rich deep green, and smooth; flesh salmon color and of delicious flavor. A very early and prolific variety. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$1.75.

Hearts of Gold or Improved Hoodoo. Ideal shipping melon of the finest quality. Flesh very thick, firm, of fine texture and delicious flavor. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$1.75.

Golden Delicious. Golden! Delicious! Its remarkable speed from seeding to yield is also one of its qualities. Pkt. 15 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1, lb. \$2.50.

Green-fleshed

ALL-AMERICA HON. MENTION

Honey Gold. A new, early, and very handsome sort for market work and shipping; good, also, for the home-garden. The grapefruit-like melons are medium in size and very fleshy, because the seed-cavity is small and the rind very thin. Fine flavor; very sweet, like a Honey Dew melon. Pkt. 25 cts., $\frac{1}{2}$ oz. \$1.50, oz. \$2.50.

Rocky Ford. The fruits weigh from $1\frac{1}{4}$ to $1\frac{1}{2}$ pounds each. Thick meat, green in color, fine in flavor, with thin rind; skin light green, ribbed and heavily netted, ripening to a golden yellow. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.50.

"10/25" Salmon Tint. The fruit is heavily and evenly netted, very uniform in size, rust-resisting, and early; the flesh is a rich gold in the center, shading out to emerald-green near the rind. Pkt. 15 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$2.

Honeydew. Well-known very sweet variety. The flesh is green, very thick, and, unlike some melons, it ripens uniformly to the rind. Pkt. 15 cts., oz. 35 cts., $\frac{1}{4}$ lb. 95 cts., lb. \$2.25.

Early Hackensack. An early strain of the one-time famous Hackensack variety. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$1.75.

Cassaba. They are true winter melons. Pkt. 15 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$3.50.

Forcing Melons

Golden Beauty. Skin bright yellow, beautifully netted; flesh deep, rich salmon color, of delicious flavor. Pkt. 75 cts.

King George. The flesh is red and very thick, with a small seed cavity. Pkt. 75 cts.

Royal Jubilee. A splendid, oval, green-fleshed melon. Skin almost white, handsomely netted. Pkt. 75 cts.

ONION

One ounce will plant 100 feet of drill;
5 to 6 pounds, an acre. Takes 14 to
15 weeks from seed to maturity.

CULTURE. For large Onions sow in a hotbed early in January or February and transplant to the open 6 inches apart. For the main supply, sow in rich, sandy soil, in drills 1 foot apart, early in spring, and firm well. Thin to 3 to 4 inches apart.

Mild White Varieties

S. & W. Co.'s Southport White Globe. Produces handsome and uniformly globe-shaped bulbs. The flesh is firm, fine-grained and of mild flavor. Pkt. 15 cts., $\frac{1}{2}$ oz. 35 cts., oz. 65 cts., $\frac{1}{4}$ lb. \$2, lb. \$6.50.

White Portugal or Silverskin. A mild variety, used for pickles. Tender and altogether fine. Pkt. 10 cts., $\frac{1}{2}$ oz. 35 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$1.85, lb. \$6.

White Pickling. When mature, the tops die down, leaving beautiful and perfect little bulbs. The color is pure white, flavor mild and delicate. Pkt. 15 cts., $\frac{1}{2}$ oz. 35 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$1.85, lb. \$6.

White Bunching. For scallions. Pkt. 10 cts., $\frac{1}{2}$ oz. 30 cts., oz. 55 cts., $\frac{1}{4}$ lb. \$1.75, lb. \$5.

Evergreen Bunching. Long, white sort; may be sown in spring or fall. Protect over winter with salt hay or leaves. A tender, mild "Scallion." Pkt. 10 cts., $\frac{1}{2}$ oz. 30 cts., oz. 55 cts., $\frac{1}{4}$ lb. \$1.75, lb. \$5.

Leading Yellow Kinds

S. & W. Co.'s Southport Yellow Globe. It has large and uniformly spherical bulbs with very small necks. The largest diameter is below the center of the bulb. The color is a rich orange-yellow. Keeps splendidly. Pkt. 15 cts., $\frac{1}{2}$ oz. 35 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$1.85, lb. \$6.

Early Yellow Globe. Attractive, deep yellow Onion, medium large in size with a tight skin; keeps well. Pkt. 15 cts., $\frac{1}{2}$ oz. 35 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$1.85, lb. \$6.

Yellow Globe Danvers. A splendid keeper, producing well-rounded bulbs about $2\frac{1}{2}$ inches in diameter; skin light golden yellow; flesh white, crisp, and mild in flavor. Pkt. 10 cts., $\frac{1}{2}$ oz. 30 cts., oz. 55 cts., $\frac{1}{4}$ lb. \$1.75, lb. \$5.50.

Ebenezer or Japanese. A dark yellow variety. Bulbs are deep, flat, of medium size, very firm, with a thick skin. Early and keeps well. Pkt. 15 cts., $\frac{1}{2}$ oz. 35 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$1.85, lb. \$6.

Ideal Yellow Globe. Pkt. 15 cts., $\frac{1}{2}$ oz. 35 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$1.85, lb. \$6.

Extra Large-growing Kinds

S. & W. Co.'s Selected Ailsa Craig. This Onion is one of the largest grown. It is a very handsome, oval-shaped variety with pale straw-colored skin. For exhibition it is unexcelled, and to attain its largest size it should be sown in January and transplanted. Keeps well and has a mild flavor. Pkt. 15 cts., $\frac{1}{2}$ oz. 35 cts., oz. 65 cts., $\frac{1}{4}$ lb. \$2, lb. \$6.50.

Ailsa Craig. Originator's stock grown in England. Pkt. 75 cts.

Prizetaker. Uniform in shape and of immense size. Under special cultivation bulbs have been raised to weigh from 2 to 3 pounds each. Pkt. 15 cts., $\frac{1}{2}$ oz. 35 cts., oz. 65 cts., $\frac{1}{4}$ lb. \$2, lb. \$6.50.

Riverside Sweet. The largest, sweetest, best-keeping, and most uniform of the Spanish Onions. Globular in shape, with golden yellow skin and white flesh; the strain we are offering is very mild. Pkt. 15 cts., $\frac{1}{2}$ oz. 35 cts., oz. 65 cts., $\frac{1}{4}$ lb. \$2, lb. \$6.50.



Gigantic Gibraltar Onion

Gigantic Gibraltar. Recommended for exhibition, and it is a good general-purpose sort, also, where the soil is rich. Although large in size, is a splendid keeper and decidedly mild. In exceptional cases specimens have weighed $3\frac{1}{2}$ pounds. Pkt. 15 cts., $\frac{1}{2}$ oz. 35 cts., oz. 65 cts., $\frac{1}{4}$ lb. \$2, lb. \$6.50.

Long-keeping Red Onions

S. & W. Co.'s Southport Red Globe. This variety has a deep red skin and is almost a perfect globe. Size large, flesh fine-grained, mild and tender. Pkt. 10 cts., $\frac{1}{2}$ oz. 30 cts., oz. 55 cts., $\frac{1}{4}$ lb. \$1.75, lb. \$5.

Large Red Wethersfield. This is the standard red variety, and a favorite wherever Onions are grown for shipment. Bulb large, somewhat flattened, skin deep purple-red; flesh purplish white, moderately fine-grained, and with a strong flavor. The best keeper, and one of the most popular for general cultivation. Pkt. 10 cts., $\frac{1}{2}$ oz. 30 cts., oz. 55 cts., $\frac{1}{4}$ lb. \$1.75, lb. \$5.

Bermuda Onions

These are large, flat, quick-growing types, with a pleasant, mild flavor.

Red Bermuda. Pkt. 15 cts., $\frac{1}{2}$ oz. 35 cts., oz. 65 cts., $\frac{1}{4}$ lb. \$2, lb. \$6.50.

Crystal Wax. Pkt. 15 cts., $\frac{1}{2}$ oz. 35 cts., oz. 65 cts., $\frac{1}{4}$ lb. \$2, lb. \$6.50.

Onion Sets

Sets will produce green, bunch or full-grown Onions much quicker than will seed. Multipliers and Potato Onions divide and increase in the soil. Egyptian Onions are autumn-planted hardy perennials, yielding green pulling Onions every spring.

	Qt.	$\frac{1}{2}$ pk.	Pk.
White Onion Sets.....	\$0 40	\$1 35	\$2 25
Yellow Onion Sets....	35	1 15	2 00
Yellow Ebenezer or			
Japanese.....	40	1 35	2 25
Red Onion Sets.....	35	1 15	2 00
Egyptian Top Onions.			
Fall delivery.....	40	1 35	2 25
Garlic Sets. Lb. 50 cts., 5 lbs.			\$2, 10
Potato Onion Sets (True Potato). Lb.			
50 cts., 5 lbs.			\$2, 10 lbs. \$3.75.



Evergreen
Parsley

PARSLEY

One ounce will plant about 150 feet of drill

CULTURE. Sow early in the spring in drills 1 foot apart and $\frac{1}{2}$ inch deep. Thin out the young plants to 4 inches. Hamburg Parsley should be treated the same as carrots.

Evergreen. Awarded the Bronze Medal for outstanding quality in the All-America Seed Selections for 1939. A new husky, rapid-growing, vigorous sort that will give you Parsley later in the autumn because it is definitely more resistant to cold than other kinds. Larger, denser, more spreading and very dark in color. Tightly curled, but its sturdiness is associated with slightly coarser cut leaves. Ideal for the market man as well as the private grower. Pkt. 15 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.

Champion Moss Curled. A particularly beautiful type. A bed of this has the appearance of fine moss. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.50.

Extra Double Curled. A market variety. The leaf is finely cut, curled and vivid green. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.50.

Exhibition Curled. Remarkable for its extra-fine leaves and its dense habit of growth. Our seed has been saved from plants of exhibition calibre. Pkt. 25 cts., 5 pkts. \$1.

Fern-leaved. This is a distinct variety. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$1.75.

Plain. Known widely as Italian Parsley. Used for flavoring. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.50.

Hamburg or Rooted. The roots of this type resemble parsnips. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.50.

PEANUTS

CULTURE. These require similar soil conditions to garden corn. Remove the outer shell without injuring the kernels, and sow the latter in drills 2 $\frac{1}{2}$ feet apart and 1 $\frac{1}{2}$ inches deep. Allow 9 inches between one "nut" and the next in the row.

Improved Spanish. Though small, this is a quick-growing sort and one that is suitable for northern gardens. Pkt. 10 cts., lb. 45 cts.

California Long Red. Larger than the above but slower to mature. Plant this variety south of the latitude of New York, where the longer summer will enable it to yield a heavy crop. Pkt. 10 cts., lb. 45 cts.

PEPPER

One ounce will produce about 1000 plants.
Pick 9 to 12 weeks after setting out

CULTURE. Peppers should not be planted out until settled warm weather has arrived. The seed may be sown in a hotbed, coldframe, or a box in a sunny window; transplant into rows 20 inches apart each way, and keep the soil well stirred.

Splendid Sweet Peppers

World Beater. One of the largest and most handsome Peppers. It fruits as early as Ruby King and it is similar in shape, while it has the fine flavor and large size of Chinese Giant. The fruits are 3 $\frac{1}{2}$ inches in diameter by 5 inches long, four lobed, and the flesh is very thick, mild, and sweet. Excellent for the private estate, the amateur, and the commercial grower. Pkt. 15 cts., $\frac{1}{2}$ oz. 40 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.25.

Perfection Pimiento. The meat is 2 or 3 times as thick as that of the Bell types. The quality is very sweet and delicious and entirely free from pungency. In color, when ripe, it is a beautiful scarlet-red. Pkt. 10c., $\frac{1}{2}$ oz. 40c., oz. 70c., $\frac{1}{4}$ lb. \$2.

Harris' Earliest. Produces Peppers very quickly. Valuable for sections where summer is too short for ordinary types. The plant is covered with fruits 3 inches long and squarish. Excellent quality; suitable for home or market. Pkt. 15 cts., $\frac{1}{2}$ oz. 50 cts., oz. 90 cts., $\frac{1}{4}$ lb. \$2.50.

Chinese Giant. This is the standard large sweet Pepper. It is quite early to ripen and very productive for so large a variety. The fruits are 4 to 5 inches broad at the top, and of equal length. The flesh is mild and unusually thick. Pkt. 15 cts., $\frac{1}{2}$ oz. 50 cts., oz. 90 cts., $\frac{1}{4}$ lb. \$2.50.

California Wonder. The thickest flesh, and is one of the sweetest. Its scarlet fruits are tremendous, sometimes measuring 6 inches deep and 6 inches through. Pkt. 15 cts., $\frac{1}{2}$ oz. 50 cts., oz. 90 cts., $\frac{1}{4}$ lb. \$2.50.

Golden Dawn. A yellow sweet Pepper of excellent table quality. Pkt. 15 cts., $\frac{1}{2}$ oz. 50 cts., oz. 90 cts., $\frac{1}{4}$ lb. \$2.50.

Large Bell or Bull Nose. A large, early variety of pleasant flavor, though mild. This is the variety for green stuffed Peppers. Pkt. 10c., $\frac{1}{2}$ oz. 40c., oz. 70c., $\frac{1}{4}$ lb. \$2.

Neapolitan (Jersey Sweet; White Cap). Very early and an extraordinary yielder. Its fruits grow upward, not pendent. They are bright red, sweet, fine, and tender. Pkt. 10c., $\frac{1}{2}$ oz. 40c., oz. 70c., $\frac{1}{4}$ lb. \$2.

Ruby King. Fruits are 4 $\frac{1}{2}$ to 6 inches long, 3 $\frac{1}{2}$ inches thick, and bright red. Used both for pickles and slicing. The flavor of the fruits is mild and pleasant, with just a slight suspicion of piquancy. Pkt. 10 cts., $\frac{1}{2}$ oz. 40 cts., oz. 70 cts., $\frac{1}{4}$ lb. \$2.

Sunnybrook Cheese. A very prolific and popular canning variety. Fruits average 3 inches in diameter and 2 inches deep. The skin is smooth and of deep scarlet color and the flesh is thick and sweet. Pkt. 15 cts., $\frac{1}{2}$ oz. 50 cts., oz. 90 cts., $\frac{1}{4}$ lb. \$2.50.

Hot Peppers

Hungarian Wax. Turns from green to yellow when young, and red when ripe. Matures early. Long type, fruits 5 to 6 inches. Prolific. Pkt. 20 cts., $\frac{1}{2}$ oz. 60 cts., oz. \$1.

Long Red Cayenne. Fruits 4 inches by 1 inch; bright red; prolific; hot. For pickling, both green and ripe. Pkt. 15 cts., $\frac{1}{2}$ oz. 50 cts., oz. 90 cts., $\frac{1}{4}$ lb. \$2.50.

Cherry Red. Small, round fruit, rich scarlet in color, and extremely piquant. Pkt. 15 cts., $\frac{1}{2}$ oz. 60 cts., oz. \$1, $\frac{1}{4}$ lb. \$2.75.

PARSNIP

One ounce will plant about 200 feet of drill;
5 to 6 lbs., an acre. Takes 16 weeks
from seed to maturity.

CULTURE. Sow as early in spring as the ground can be worked, in drills 18 inches apart. The quality of the roots is improved after frost; they may be allowed to remain in the ground all winter.

Improved Hollow-Crown. A great improvement over the old-time Hollow-Crown variety; clean, well shaped and smooth. Excellent for table or exhibition. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 65c., lb. \$1.75.

New Intermediate. The root is somewhat flattened and top-shaped, about 6 inches long and 4 inches across the thickest part. It matures quickly. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$1.75.

Selected Exhibition. Produces roots several feet in length and ending in a fine whip-thong. The surface is smooth and white. The flavor is mild and sweet. Pkt. 25 cts., 5 pkts. \$1.

RHUBARB

CULTURE. Plant the roots in well-manured land, 3 feet apart. Sow seed in spring in drills a foot apart; transplant the following season 3 feet apart. One ounce of seed should produce about 1000 roots.

Victoria. A reliable sort which has given good results for many years.

Roots. 15 cts. each, \$1.50 per doz., \$10 per 100; extra-strong clumps, 25 cts. each, \$2.50 per doz., \$20 per 100. Extra-large clumps for forcing in the greenhouse or cellar, 50 cts. each, \$5 per doz., \$35 per 100. Purchaser pays transportation.

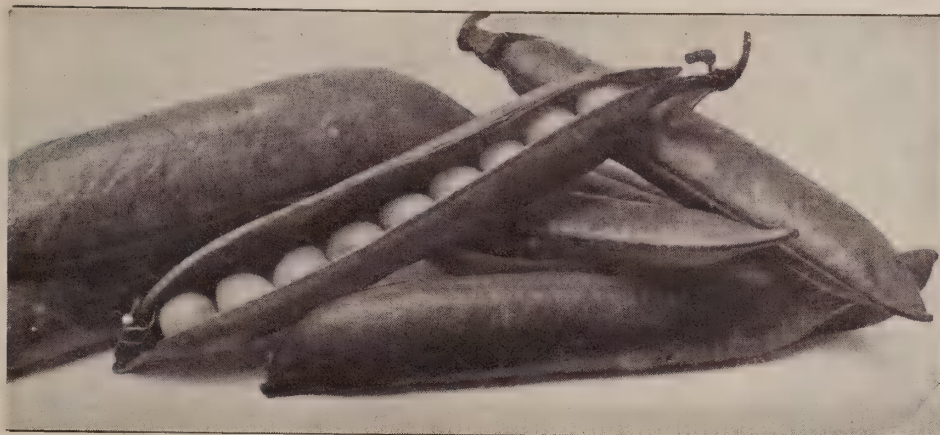
Seed. Pkt. 15 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$3.50.

McDonald. This strain originated at McDonald College in Canada and has been proved hardy even in Alaska. The thick, sturdy stems are produced abundantly and are a deep crimson. Surprisingly tender and delicious, you will agree that McDonald is the best Rhubarb ever developed.

Roots only (divisions), 30 cts. each, \$3 per doz., \$20 per 100.



World Beater Pepper



Admiral Beatty Peas

GREEN PEAS

One pound (equal to about 1 pint)
will plant 100 feet of drill.

CULTURE. Sow round, smooth-seeded sorts as early in the spring as practicable, and the superior-flavored wrinkled Marrow varieties two weeks later. Use several kinds at each seeding to insure as long a productive season as possible. Use single or double rows 4 feet apart and cover 2 inches. Sorts growing over 1 1/2 feet need the support of brush or wire. Varieties marked * are wrinkled Marrows.

Early Smooth-seeded Sorts

Early Bird. Combines the hardness of the round-seeded types with the quality of the wrinkled Marrowfats. The plant grows 4 feet high. Throughout its height it bears profusely 4-inch pods closely packed with Peas of fine flavor. Yields in 9 weeks from seeding. 1/2 lb. 30 cts., lb. 50 cts., 2 lbs. 90 cts., 5 lbs. \$2, 15 lbs. \$5.

Eight Weeks. A reliable first-early round-seeded Pea 1 1/2 feet high. 1/2 lb. 30 cts., lb. 50 cts., 2 lbs. 90 cts., 5 lbs. \$2, 15 lbs. \$5.

First of All or Pedigree Extra-Early. A splendid cropper. Peas very tender, of good flavor and carried in long, tightly filled pods. Sixty days from planting to picking. 1/2 lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts., 5 lbs. \$1.75, 15 lbs. \$4.25.

Market Surprise. Vines 3 feet tall, bear 3 1/2-inch pods in great quantities, within 60 days from sowing. A round-seeded sort of truly remarkable sweetness. Pkt. 10 cts., 1/2 lb. 30 cts., lb. 50 cts., 2 lbs. 90 cts., 5 lbs. \$2, 15 lbs. \$5.

Early Wrinkled Sorts

***Giant-Pod Hamper.** A new 65-day Pea with dark green, pointed, heavily filled 4 1/2 to 5-inch pods. Large wrinkled Peas, very tender and of fine flavor. Thrifty plant grows 2 feet high. 1/2 lb. 30 cts., lb. 50 cts., 2 lbs. 90 cts., 5 lbs. \$2, 15 lbs. \$5.

***Gradus or Prosperity.** One of the standard sorts. Vines have light green leaves, and grow about 3 feet high. Pods uniformly large, 4 to 4 1/2 inches in length, well filled and handsome. Very early, and the Peas are of fine flavor. Sixty-five days from seed to picking. Pkt. 10 cts., 1/2 lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., 5 lbs. \$2, 15 lbs. \$4.50.

***Laxtonian.** The large pods are filled with large, luscious Peas. It is ready for use about a week later than the very early sorts. The plant grows about 1 1/2 feet high, and is of a rich dark green color. 62 days. 1/2 lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., 5 lbs. \$2, 15 lbs. \$4.50.

***Laxton's Progress.** The pods are 4 inches long and are filled with eight large, melting, sweet Peas. The plant grows 1 1/2 feet high. A variety that is excellent in every way, and one to be highly recommended. 60 days. 1/2 lb. 30 cts., lb. 50 cts., 2 lbs. 90 cts., 5 lbs. \$2, 15 lbs. \$5.

***Little Marvel.** Eighteen inches high, heavily set with fine pods, usually in pairs. Pods are 3 1/2 inches in length, square at bottom, filled with large, deep green Peas. 62 days. Pkt. 10 cts., 1/2 lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., 5 lbs. \$2, 15 lbs. \$4.50.

***Sawco Market.** Vines robust, growing from 2 to 2 1/2 feet high, bushy, with dark green leaves. Pods filled with 8 to 11 Peas of delightful flavor. Award of Merit, R.H.S. (Eng.). Pkt. 15 cts., 1/2 lb. 50 cts., lb. 55 cts., 2 lbs. \$1, 5 lbs. \$2.25.

***Sutton's Excelsior.** Dwarf and very productive. Height 1 1/2 ft. Matures in 63 days. 1/2 lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., 5 lbs. \$2, 15 lbs. \$4.50.

***Teton.** Vines are 30 inches tall, carrying single pods, blunt in shape, dark green in color, and over 4 inches long, well packed with 7 or 8 large Peas of fine quality. Resistant to wilt. Yields in 9 weeks. Pkt. 15 cts., 1/2 lb. 30 cts., lb. 55 cts., 2 lbs. \$1, 5 lbs. \$2.25.

***Thomas Laxton.** The Peas are of extra-fine quality, tender and of good flavor. Height 3 ft. Ready for picking at the same time as Sutton's Excelsior. 1/2 lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., 5 lbs. \$2, 15 lbs. \$4.50.

***World's Record.** An improved Gradus, maintaining the high yield and flavor of that variety, but somewhat earlier and showing even a higher yield. Yields in 61 days. 1/2 lb. 30 cts., lb. 50 cts., 2 lbs. 90 cts., 5 lbs. \$2, 15 lbs. \$5.

Main-Crop Sorts

***Admiral Beatty.** It is 3 1/2 feet high, and the Peas are wrinkled; their cooking quality is excellent. The pods are long and pointed, contain nine or ten Peas, and are produced abundantly. Bears in eleven weeks from seeding. Pkt. 15 cts., 1/2 lb. 30 cts., lb. 50 cts., 2 lbs. 90 cts., 5 lbs. \$2, 15 lbs. \$5.

***Alderman.** On generous soils it grows to a height of 5 to 6 feet. The pods contain seven large, elongated, dark green Peas of the highest quality. Eleven weeks from planting to picking. 1/2 lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., 5 lbs. \$2, 15 lbs. \$4.50.

***Boston Unrivalled or Telephone.** A fine tall late variety. The yield of pods is good and they are uniformly well filled. 5 ft. Twelve weeks from seed to harvest. Pkt. 10 cts., 1/2 lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., 5 lbs. \$2, 15 lbs. \$4.50.

***Delicious.** The dark green, stocky, vigorous vines are only 2 feet high, covered with an abundance of large, long, tightly filled pods; in them are as many as 9 or 10 big, sweetly melting, delicious Peas. Crop may be gathered about 75 days after seeding. 1/2 lb. 30c., lb. 55c., 2 lbs. \$1, 5 lbs. \$2.25.

***Potlach.** The best dwarf, extremely late Pea. Healthy bluish green vines, bearing loads of deep green pods. A continuous bearer from July 1 to 15 in most seasons. 2 ft.; takes 13 weeks in which to grow. Pkt. 10 cts., 1/2 lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., 5 lbs. \$2, 15 lbs. \$4.50.

***Quite Content.** One of the largest-podded Peas in existence. This variety is preferred by many growers to Alderman on account of its size. 5 ft. 1/2 lb. 30 cts., lb. 50 cts., 2 lbs. 90 cts., 5 lbs. \$2, 15 lbs. \$5.

***Sawco Forty.** A dwarf plant which produces pods 5 1/2 to 6 1/2 inches long. At a flower show where pods of this variety were being exhibited, a wit placed a sign above them reading, "These are Peas, not Bananas." Their cooking quality is of the best. 75 days from sowing to harvest. 1/2 lb. 30 cts., lb. 55 cts., 2 lbs. \$1, 5 lbs. \$2.25.

Edible-podded Sugar Peas

Used in the same manner as wax beans

Luscious Melting Sugar. Large, broad pods, which are so brittle that they snap with no string. 5 ft. Ten weeks from seed to yield. Pkt. 10 cts., 1/2 lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., 5 lbs. \$2, 15 lbs. \$4.50.

Very Dwarf White Sugar. Height 1 1/2 ft. Pkt. 10 cts., 1/2 lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., 5 lbs. \$2, 15 lbs. \$4.50.

PUMPKINS

One ounce will plant 50 hills.
Fruits are ripe 15 to 17 weeks
after sowing seed.

CULTURE. Plant in April or May, among corn, or in the garden, in hills 8 to 10 feet apart, and otherwise treat in the same manner as melons.

Large Cheese. Fruit flattened, the diameter being three times more than the thickness; skin mottled light green and yellow, changing to rich cream-color as it matures; flesh excellent quality. Pkt. 10 cts., oz. 20 cts., 1/4 lb. 50 cts., lb. \$1.25.

Sweet or Sugar (New England Pie). The fruits are medium to small in size, of a bright orange color, and in shape are round, flattened at the ends. The flesh is of remarkably good cooking quality, very thick, and deep yellow. Pkt. 10 cts., oz. 20 cts., 1/4 lb. 50 cts., lb. \$1.25.

Winter Luxury. Best pie Pumpkin; productive; keeps well. Finely netted and russet in color. Pkt. 10 cts., oz. 25 cts., 1/4 lb. 60 cts., lb. \$1.50.

Connecticut Field. Large, flat-round, deep orange fruits. Good for pies; also largely grown for stock feeding. Pkt. 10 cts., oz. 20 cts., 1/4 lb. 45 cts., lb. \$1.

King of the Mammoths. Recommended where size is the chief consideration—200 pounds or more being not an unusual weight for a single specimen. The fruit is flat-round; the skin is yellow, as also is the thick flesh. Pkt. 15 cts., oz. 30 cts., 1/4 lb. 85 cts., lb. \$2.

Mammoth Tours. Pkt. 15 cts., oz. 30 cts., 1/4 lb. 85 cts., lb. \$2.

TEST YOUR SOIL and find out exactly what plant-foods it needs.

WITH THE HORTICULTURAL KIT

you can examine sixty soil samples. The cost? Only \$9.75.

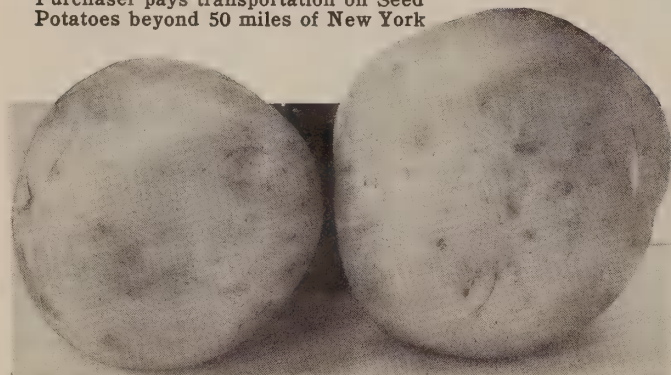
SEED POTATOES

CULTURE. The best soil is a well-drained fibrous loam. Before planting, work in Sawco General Fertilizer at the rate of 1000 pounds to the acre if applied broadcast, or 500 pounds if applied in the rows. Plant good-sized pieces, each containing not less than two eyes, 1½ feet from piece to piece in 3-foot rows.

About 10 bushels or 4 sacks will plant an acre. A sack contains 2½ bushels (150 pounds).

Use Semesan Bel. Dusted on your seed potatoes at planting time, it controls disease and produces increased yields of healthy plants and tubers. ¼lb. will treat up to 15 bushels. 4 ozs. 50 cts., lb. \$1.50, 5 lbs. \$6.50, 25 lbs. \$30.

Purchaser pays transportation on Seed Potatoes beyond 50 miles of New York



Katahdin Potatoes

Standard Early Potatoes

Mature in 9 to 11 weeks

Early White Albino. A good cropper. The skin and flesh are pure white, of good cooking quality, and very prolific. One of the best early varieties to withstand blight and disease. Keeps well. ½pk. 85 cts., pk. \$1.25, ½bus. \$2.15, bus. \$4, sack \$9.

Irish Cobbler. Does well on a wide range of soils; very productive. The skin is creamy white, sometimes netted; eyes are strong, well developed, and but slightly indented. The flesh is white and of fine quality. ½pk. 75 cts., pk. \$1.15, ½bus. \$2, bus. \$3.75, sack \$8.

Early Rose. (Selected.) A pink-skinned variety which is grown extensively in some sections. A Potato of good size and fine quality. ½pk. 85 cts., pk. \$1.25, ½bus. \$2.15, bus. \$4, sack \$9.

Best Main-Crop Potatoes

Mature in 12 to 14 weeks

Russet. The haulm is dark green; very resistant to blight. The tubers are round to oblong, very large, and from 6 to 10 are ordinarily obtained from a hill; the flesh is pure white, and the skin has a roughened russet appearance. ½pk. 65 cts., pk. \$1, ½bus. \$1.75, bus. \$3.25, sack \$7.

Gold Coin. A variety of remarkable productiveness and fine table quality; slightly oblong form; light golden skin; flesh pure white, fine-grained; cooks very dry. ½pk. 75 cts., pk. \$1.15, ½bus. \$2, bus. \$3.75, sack \$8.

Green Mountain. A late, heavy cropper of excellent quality; skin smooth and white; shape roundish flat; eyes few and shallow; a good keeper. ½pk. 75 cts., pk. \$1.15, ½bus. \$2, bus. \$3.75, sack \$8.

Sweet Potato Plants

Ready in June

Yellow Jersey.
Big Stem. Yellow.

Each variety, \$1 per 100, \$7.50 per 1000

We do not ship Sweet Potatoes beyond 50 miles

A Fine Intermediate Potato

Katahdin. Matures about a week later than Irish Cobbler. Whiteskin and white flesh, with a very shallow eye. Handsome oval shape. Excellent cooking quality, and the preferred variety for Potato chips. ½pk. 85 cts., pk. \$1.25, ½bus. \$2.15, bus. \$4, sack \$9.

SALSIFY

Vegetable Oyster

One ounce will sow about 50 feet of drill

CULTURE. Sow early in spring, in drills 12 inches apart and 1 inch deep, thinning out the young plants to 6 inches. The roots will be ready in October, when a supply should be taken up and stored like carrots.

Mammoth Sandwich Island. Tender and delicious. Superior to all other sorts. Pkt. 10 cts., oz. 35 cts., ¼lb. 95 cts., lb. \$2.50.

SCORZONERA

Black Salsify

One ounce will sow about 50 feet of drill

CULTURE. Cultivate the same as salsify. The roots should be washed, boiled tender, then peeled.

Improved. Pkt. 15 cts., oz. 50 cts., ¼lb. \$1.75, lb. \$5.

Produce Your Own Salads

They are easy to raise in almost any garden

Grow the following kinds. Serve them uncooked and garden-fresh, so that their vitamins reach you unimpaired. They are healthful and full of minerals.

Cabbage	Mustard
Celeriac	Onion
Chervil	Parsley
Chinese Cabbage	Pepper
Corn Salad	Radish
Cress	Romaine
Cucumber	Sorrel
Dandelion	Tomato
Endive	Watercress
Lettuce	Various Herbs

The best varieties are described on pages 56 to 73, and you will also find notes on their cultivation.



Giant Lucullus Swiss Chard

SEA KALE

One ounce will produce about 300 plants

Sow in drills 2 feet apart, thin out to 12 inches. The blanched leaf-stalks are boiled and served with cream sauce; or the roots may be dug and "forced" during winter in the same way as Witloof Chicory. Pkt. 15 cts., ½oz. 35 cts., oz. 65 cts., ¼lb. \$2.

SORREL

One ounce will sow about 100 feet of drill

CULTURE. Sow early in the spring in drills 6 to 8 inches apart.

Garden. Used for salads, on account of its pleasant acid flavor; also as a boiled vegetable. Yields for several years. Pkt. 15 cts., oz. 50 cts., ¼lb. \$1.50, lb. \$4.

SWISS CHARD

Spinach Beet

One ounce will plant about 100 feet of drill. Cutting commences in about 7 weeks

An excellent boiled-leaf vegetable, equal in quality and easier to prepare than spinach. The leaf-stalks may be served as a distinct dish. Sow early in spring in rows and thin to 6 inches.

Mammoth New York. This is a large, distinct sort, medium green in color. The leaves are smooth, and the stalks are milk-white. Breeding has eliminated the earthy flavor common to many Chards. Pkt. 15 cts., ½oz. 35 cts., oz. 55 cts., ¼lb. \$1.50.

Giant Lucullus. Plants grow to a height of 2 to 2½ feet and the stalks are 1½ inches broad, heavily ribbed, and from 10 to 12 inches long. The large leaves are heavily crumpled. Pkt. 10 cts., oz. 25 cts., ¼lb. 65 cts., lb. \$2.

Green Lyon. A vigorous-growing, stocky type with smooth, deep green leaves and broad, thick, white stalks. Pkt. 10 cts., oz. 25 cts., ¼lb. 65 cts., lb. \$2.

Fordhook. A giant variety with broad, wrinkled, dark green leaves and broad white stems. Pkt. 10 cts., oz. 25 cts., ¼lb. 65 cts., lb. \$2.



Early Scarlet Globe Radishes

RADISHES

One ounce will plant about 100 feet of drill

CULTURE. As early in the spring as the ground can be worked, sow sparingly any of the round or olive-shaped varieties, allowing 1 to 1½ feet between the rows. Thin to 1 inch apart (summer and winter sorts need 4-inch spacing). Hoe frequently. The round and olive-shaped sorts serve until June 15, when Icicle and Cincinnati Market are at their best. Summer sorts are good until frost from repeated sowings. Winter varieties should be sown about July 1, and may be pulled after light frosts and stored through winter.

Round and Olive-shaped

Ready in about 25 to 30 days

Special Forcing. A superior Scarlet Globe. Very quick to mature. Its small top gives plenty of room in the frame or greenhouse. Excellent mild flavor, smooth, crisp, and good. Pkt. 15 cts., oz. 35 cts., ¼lb. 85 cts., lb. \$2.

Early Scarlet Globe. The best general-purpose variety in this class, perfecting handsome round-oval roots in from 28 to 30 days after sowing. Brilliant in color, short-leaved, crisp and white; an excellent variety for forcing. Pkt. 10 cts., oz. 25 cts., ¼lb. 60 cts., lb. \$1.50.

Early Scarlet Turnip. Handsome, flat-round roots, ¾ inch in diameter by ½ inch deep through. Pkt. 10 cts., oz. 25 cts., ¼lb. 50 cts., lb. \$1.25.

French Breakfast. The olive-shaped counterpart of Sparkler. Mild and crisp. Pkt. 10 cts., oz. 25 cts., ¼lb. 60 cts., lb. \$1.50.

Glowing Ball. A splendid forcer, with small tops; also a good outdoor variety. Its scarlet-red, suffused orange. Perfectly round; flesh crisp; mild flavor. Pkt. 10 cts., oz. 30 cts., ¼lb. 75 cts., lb. \$1.75.

Saxa. One of the earliest and finest round, bright scarlet Radishes. Tops very short. Suitable for early planting in the garden and splendid for forcing. Pkt. 15 cts., oz. 35 cts., ¼lb. 85 cts., lb. \$2.

Sparkler. Of rich carmine-scarlet color, with a pronounced white tip. The roots are solid, crisp, and sweet. It is equally well adapted for forcing or growing in the open ground. While the leaves are small, they are sufficiently large for bunching. Pkt. 10 cts., oz. 25 cts., ¼lb. 60 cts., lb. \$1.50.

White Pearl. The finest white round Radish. Matures quickly and does not get hollow. Suitable both for spring and summer use, superior to the older variety, White Box. Pkt. 10 cts., oz. 25 cts., ¼lb. 60 cts., lb. \$1.50.

Early Long Radishes

Ready in about 35 days

White Icicle. A good Radish for all purposes in the home-garden; also fine for market or growing under glass. Within 30 days from sowing, the roots attain a length of 4 to 5 inches, by ¾ inch in diameter at the thickest part. The skin is thin, the flesh crisp and mild. Remains for a long period in fine table condition. Pkt. 10 cts., oz. 25 cts., ¼lb. 60 cts., lb. \$1.50.

Cincinnati Market. Roots 6 to 7 inches long, an inch thick through, are produced 35 days after sowing. Skin rosy scarlet, blending into a white tip. Pkt. 10 cts., oz. 25 cts., ¼lb. 60 cts., lb. \$1.50.

Summer Varieties

Ready in about 40 days

Golden Yellow Oval. The Radishes have a yellow skin, which should be removed when preparing roots for the table. Flesh pure white, mild, crisp, and solid. Pkt. 15 cts., oz. 35 cts., ¼lb. 85 cts., lb. \$2.

White Strasburg. Shape tapering; skin and flesh both white; excellent summer variety. Pkt. 10c., oz. 25c., ¼lb. 50c., lb. \$1.25.

Long-keeping Winter Varieties

Ready in about 8 weeks

Sakurajima. Very large Japanese sort; diameter 1 foot and length 21 inches. The skin is white and the flesh is always crisp and tender. Delicate flavor. Pkt. 15 cts., oz. 40 cts., ¼lb. \$1, lb. \$3.

Rose China. Bright rose skin; flesh firm and piquant; fine for winter use. Pkt. 10 cts., oz. 25 cts., ¼lb. 60 cts., lb. \$1.50.

Long Black Spanish. The popular winter sort. Pkt. 10 cts., oz. 25 cts., ¼lb. 60 cts., lb. \$1.50.

Round Black Spanish. Pkt. 10 cts., oz. 30 cts., ¼lb. 75 cts., lb. \$1.75.

SPINACH

One ounce will plant about 100 feet of drill.
About 6 weeks elapses between seeding and gathering.

CULTURE. Sow in March or April in drills an inch deep and 14 inches apart; again in August or September. Spinach requires rich soil.

Emerald Standing. A very large and vigorous type of compact, flat, spreading growth. The leaves are large, thick, slightly crumpled, very fleshy, and carried on long stems. The color is a very dark green. The most important point about this Spinach, however, is that it stands fully one month longer than any other variety before bolting to seed. In spite of this, it is quite early to mature. Pkt. 10 cts., oz. 25 cts., ¼lb. 60 cts., lb. \$1.50.

Blight-Resistant. A strain of Savoy-leaved Spinach which may be grown successfully on soil infected with blight. Since it tends to bolt to flower somewhat freely, we do not advise extensive seedings in warm weather. Pkt. 10 cts., oz. 25 cts., ¼lb. 50 cts., lb. \$1.25.

Large Thick-leaved. Splendid for the market grower. Slow to run to seed; recommended for spring and early fall seedings. Pkt. 10 cts., oz. 25 cts., ¼lb. 45 cts., lb. \$1.

New York Market. This Spinach grows rapidly and produces unusually large, thick, dark green crumpled leaves. In rich land the plants very often measure 2 feet across. Pkt. 10 cts., oz. 25 cts., ¼lb. 50 cts., lb. \$1.25.

SPINACH, continued

Princess Juliana. Delicious table quality. Also, it stands longer without running to seed than other kinds. Rapid grower; lush, deep green color. Pkt. 10 cts., oz. 25 cts., ¼lb. 50 cts., lb. \$1.25.

Savoy-leaved. A variety highly valued alike by market growers and home gardeners. The leaves are wrinkled and crumpled. Yields heavily and is particularly hardy. We offer a special long-standing type. Pkt. 10 cts., oz. 20 cts., ¼lb. 50 cts., lb. \$1.15.

Summer Savoy. Will stand longer than any other Savoy. Produces a satisfactory crop in early summer when others run to seed. Dark green, large plants, well crumpled. Pkt. 10 cts., oz. 25 cts., ¼lb. 50 cts., lb. \$1.25.

Victoria Long-Standing. Of low, compact habit; leaves shining dark green and heavily crumpled, forming a dense, flat rosette. Slow to shoot to seed. Pkt. 10 cts., oz. 20 cts., ¼lb. 50 cts., lb. \$1.15.

Monstrous Viroflay. Pkt. 10 cts., oz. 20 cts., ¼lb. 50 cts., lb. \$1.15.

New Zealand Spinach

Ready in about 10 weeks from sowing

The plants grow vigorously, do not run to seed, and withstand drought better than true Spinach. Furnishes a summer supply of "greens." Recommended also for soils too poor to carry Spinach of the usual type.

Sow during May, in drills which should be at least 2 feet apart, as the plants spread rapidly. Thin to 9 inches between plants in the row. Pkt. 10 cts., oz. 25 cts., ¼lb. 60 cts., lb. \$1.50.

Perpetual Spinach

The seed of this desirable plant may be sown any time from April to June, and in six weeks cutting may commence, to continue right through into fall. The "greens" furnished are similar in flavor to true Spinach, the leaves being very tender; they are both palatable and healthful. Cut the leaves about 3 inches from the ground. Pkt. 15 cts., oz. 35 cts., ¼lb. 95 cts., lb. \$2.50.

Mountain Spinach (Atriplex hortensis; Orach.)

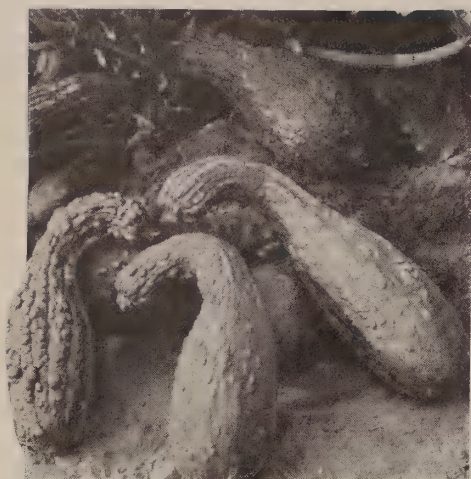
Annual foliage plant, growing 5 feet high in good soil, with leaves and stems varying in colors from yellow to red. An esculent vegetable. Pkt. 25 cts., 5 pkts. \$1.

Mustard Spinach (Tendergreen)

A new boiling vegetable, healthful and palatable. Has a pleasant flavor, and many who do not like true Spinach will relish it. Cut within a month of sowing seed. Pkt. 10 cts., oz. 20 cts., ¼lb. 45 cts., lb. \$1.25.



New York Market Spinach



Giant Bush Summer Crookneck Squash

SQUASH

One ounce plants about 25 hills

CULTURE. It is not advisable to plant before May 15. Sow in hills 6 feet apart.

Summer Varieties

Ready in about 9 weeks from sowing

Giant Bush Summer Crookneck. The Crookneck Squash has been a popular favorite for many years, because of its refined, fresh, delicious flavor. In this newer Giant type, these fine points are retained, but the fruits are much larger, being double the size. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.50.

Acorn (Table Queen; Des Moines). One of the earliest. The fruits are 6 inches long by $4\frac{1}{2}$ inches in diameter; dark green shell, but the flesh is light yellow and thick. A trailing summer Squash that also keeps well into winter. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$1.75.

Golden Table Queen. In this newer, slightly smaller type, the flesh is exceptionally sweet, rich and pleasing. Skin ripens to a golden yellow. A prolific sort, excellent for home and market-growing. Pkt. 15 cts., oz. 30 cts., $\frac{1}{4}$ lb. \$1, lb. \$2.50.

Long Island White Bush (Improved Patty Pan). Shallow grooves and a thicker, heavier fruit than the type. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.50.

Straightneck. Selected from the Giant Summer Crookneck, but with a straight neck. Fruits are warted, 18 to 20 inches long. Delicious flavor. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$1.75.

Golden Custard. Large strain of Yellow Scalloped. Quality good. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 80 cts., lb. \$2.

Zucchini. European sort that is becoming popular here. Very prolific, tender, and of mild flavor. The fruits should be gathered when they are 6 inches in length, and are prepared like any other Squash, or fried in the same way as eggplant. Pkt. 15 cts., oz. 30 cts., $\frac{1}{4}$ lb. 80 cts., lb. \$2.

Fall or Winter Varieties

Ready in from 14 to 15 weeks from sowing

Chicago or Warted Hubbard. A selection of the largest and best rough-skinned specimens. Strong, robust growth; fruits large, heavily warted, splendid shape and dark green; flesh rich and dry. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 80 cts., lb. \$2.25.

FALL OR WINTER SQUASHES, continued

Golden Hubbard. The fruits are of the same shape as the Green Hubbard, but they average one-third less in size. Orange skin; flesh deep gold. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$1.75.

Hubbard. Bluish green, occasionally marked with brownish orange. Will keep from September to May. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.

Boston Marrow. A very popular Squash for fall or winter use. Oval in form; bright orange color; flesh yellow. A splendid keeper and excellent for pies. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.50.

Delicious. Noted for its fineness and compactness of grain, dryness, and sweet, rich flavor. Top-shaped fruits weigh from 5 to 10 pounds. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$1.75.

Mammoth Chili. A late, exceptionally large variety that is popular for exhibition purposes. Orange-yellow color. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$1.75.

Noodle Squash

Puncture one end of the fruit and cook it for 30 to 40 minutes. Prior to serving, cut it in half, and the flesh will fall out in shreds, suggestive of spaghetti. May be served hot with sauce, salt, and butter, or as a cold dish with vinegar dressing. The mottled green fruits, 8 to 12 inches long, turn yellowish white and resemble the Marrow Squash in appearance. Pkt. 15 cts., 2 pkts. 25 cts., oz. 50 cts.

VEGETABLE MARROW

One ounce plants 50 hills. Ready in 8 weeks.

Occupies an important place in European gardens, and is considered superior by some to Squash. Cultivation is similar to that of Squash, although it is often grown in a few inches of soil placed on a manure-pile. The Marrows are gathered before they ripen. They are peeled, divided, and the seeds are removed; then cut into squares, boiled until tender, and served with cream sauce.

Long Green Trailing. The fruits are about 20 inches in length and 3 to 4 inches in diameter, with dark green skin, marbled with a paler shade. Pkt. 15 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1, lb. \$2.50.

Long White Trailing. The fruit is similar in shape to the Long Green. The yellowish white skin is smooth and the flesh is remarkably tender. Pkt. 15 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1, lb. \$2.50.

Moore's Cream. An improved small-fruited variety. The fruits are oval, cream-colored, and of a very delicate flavor. Pkt. 15 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$3.50.

Italian Vegetable Marrow (Cocozelle Squash). A non-trailing type producing oblong fruits a foot in length and about 5 inches in diameter, handsomely mottled dark and light green. A great favorite. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.

Mixed Vegetable Marrow. Pkt. 15 cts., oz. 35 cts., $\frac{1}{4}$ lb. 95 cts., lb. \$2.50.

An All-Leaf Turnip

Seven Top. In this variety there is little root-development. The leaves, however, are very numerous and large, and are recommended to those who esteem "Turnip-tops" as a particularly healthful and palatable green cooked vegetable. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.

TURNIP

One ounce will plant about 150 feet of drill

CULTURE. For early Turnips, sow as soon as the ground opens in spring. Rutabagas should be sown from any time in June to first of August, but other kinds for winter use may be sown from the middle of July to the end of August.

Fine White-fleshed Types

Ready in from 7 to 9 weeks

Early White Milan. Quick to mature, the entire "bulb," inside and out, is clear white; the outer surface is perfectly smooth. Its table qualities are unequaled, being tender and of the most delicate flavor. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.50.

Purple-Top White Globe. Spherical, skin white with upper one-third purple. Superior flavor. Will store over winter. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.25.

Snowball. Early, globe-shaped root; smooth, clean, and free from coarseness. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.

Purple-Top Milan. A flat Turnip with the upper portion tinted purple. Flesh is pure white, delicate, and sweet. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.50.

Long White or Cow-Horn. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.

Yellow-fleshed Turnips

Golden Ball or Orange Jelly. A medium-sized Turnip with golden yellow flesh of fine texture. One of the best table varieties. Small tap-root and matures early. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.

Yellow Aberdeen. A hardy variety of fine form and excellent quality. It has a purple top, keeps well, and is excellent both for the table and for stock. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.

Yellow Stone. In shape a perfect globe, uniform, and of medium size; the color is pale yellow, and the quality is of the best, being very melting and buttery. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.

RUTABAGA

Russian or Winter Turnip

Long Island Improved. This special strain is of uniform shape and fine quality, and is also a splendid keeper. It grows to a large size, the skin is smooth, and flesh is yellow and fine-grained. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.50.



Purple-Top White Globe Turnip

If you stake your Tomato Plants, fasten them with

PLANT TWISTS,

made of wire which bends easily; plant is protected by soft fibers.
\$1 per 100 See Implement Section



Marglobe Tomato

TOMATOES

One ounce will produce about 1000 plants. Yield begins 9 to 13 weeks after setting out.

CULTURE. Seed may be sown sparingly in a hot-bed, greenhouse, or in the home from the second week in February to the end of April. When the plants are about 2 inches high they should be transplanted about 4 inches apart, or thinned so that they do not overcrowd. Around May 15 the plants may be set out in the open ground, 3 feet each way. For an autumn crop, sow seed in May in the open.

ALL-AMERICA BRONZE MEDAL

Victor. A new early variety of high quality. The vines

are small, and may be planted closer than most others, making it excellent for the home-garden; the fruits are bright scarlet, with a smooth skin. They ripen evenly, and lack the cracks and wrinkles found in other sorts. Pkt. 20 cts., $\frac{1}{2}$ oz. 60 cts., oz. \$1, $\frac{1}{4}$ lb. \$3.

Marglobe. A large Tomato of the globe type. It is a fine red color and of delicious table quality. Sets fruits medium early and continuously. A feature is its *strong, robust constitution*; it resists wilt, is immune to rust, and will produce fruit during periods of unfavorable weather. Used on large estate and home-gardens; excellent for the market grower. Pkt. 15 cts., $\frac{1}{2}$ oz. 45 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.

Pritchard's Scarlet Topper. Recommended for yield, meatiness, fine flavor, and small seed-cavity. Coming into bearing ahead of most sorts, it continues to yield after others have ceased. A large scarlet fruit, deeply globular in shape, it slices economically. Resistance to wilt and rust has been bred into it. Pkt. 15 cts., $\frac{1}{2}$ oz. 45 cts., oz. 85 cts., $\frac{1}{4}$ lb. \$2.25.

Mingold. Awarded the Silver Medal for outstanding quality in the All-America Seed Selections for 1939. A mild-flavored, yellow type, shaped like Marglobe. Splendid for yellow Tomato juice, and for salads. It contains additional vitamin D. Pkt. 25 cts., 5 pkts. \$1, oz. \$1.50.

Oxheart. A distinct, attractive variety of recent introduction. Fruits very large, heart-shaped, pink, with very few seeds, meaty, and of mild flavor. Pkt. 15 cts., $\frac{1}{2}$ oz. 45 cts., oz. 85 cts., $\frac{1}{4}$ lb. \$2.25.

Scarlet Dawn. A new, deep globe-shaped variety, very quick to commence bearing, and very prolific. Fruits are bright scarlet, solid, and of pleasing flavor. Highly resistant to disease. Pkt. 15 cts., $\frac{1}{2}$ oz. 45 cts., oz. 85 cts., $\frac{1}{4}$ lb. \$2.25.

Rutgers. New sort that makes a big, vigorous plant on which large, globular, deep red fruits are borne in quantity. Resistant to disease and especially valuable on hill-side, light or poor land. Pkt. 15 cts., $\frac{1}{2}$ oz. 45 cts., oz. 85 cts., $\frac{1}{4}$ lb. \$2.25.

John Baer. An early, bright red Tomato of wonderful quality. It is one of the heaviest-yielding sorts we know. The flesh is solid, possessing a fine flavor, free from acid. Pkt. 10 cts., $\frac{1}{2}$ oz. 45 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.

Ponderosa. Enormous size is the chief characteristic of this variety. While slightly ribbed, it is very solid and luscious. The fruits are deep purple, oblong in form and with small seed-cells. They frequently weigh one pound each or more. The flavor is good. Pkt. 15 cts., $\frac{1}{2}$ oz. 50 cts., oz. 90 cts., $\frac{1}{4}$ lb. \$2.50.

Stone. One of the most reliable main-crop red Tomatoes and a favorite with truckers and canners. The plant is very vigorous and the deep red fruits are produced freely; they are uniform, large, round, smooth, meaty, and possess very little core. The flavor is non-acid. Stone is notable for its heavy yield and high quality. Pkt. 10 cts., $\frac{1}{2}$ oz. 45 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.

Bonny Best. A leader among the early sorts. The fruits are bright red in color, of medium size, and are produced in large quantities. Pkt. 10 cts., $\frac{1}{2}$ oz. 45 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.

Chalk's Early Jewel. Uniformly large, bright red, deep, solid fruit. Bears large Tomatoes throughout the season, and for quantity and quality of fruit it is without a rival among the extra-earlies. Pkt. 10 cts., $\frac{1}{2}$ oz. 35 cts., oz. 65 cts., $\frac{1}{4}$ lb. \$1.75.

Beefsteak or Crimson Cushion. The largest of the bright red Tomatoes. Crimson Cushion is fairly symmetrical in shape, and thick from stem to blossom end; in fact, it is frequently almost round. Brilliant scarlet-crimson, untinged with purple. Flesh is firm and of superb quality. Pkt. 15 cts., $\frac{1}{2}$ oz. 45 cts., oz. 85 cts., $\frac{1}{4}$ lb. \$2.25.

Earliana. The earliest red Tomato. Plants have short, close-jointed branches, and set fruit very freely in the center. The fruits average 3 inches in diameter and 2 $\frac{1}{4}$ inches in depth; solid, with few seeds. Pkt. 10c., $\frac{1}{2}$ oz. 35c., oz. 65c., $\frac{1}{4}$ lb. \$1.75.

Golden Queen. A yellow-fruited sort, excellent for slicing. Pkt. 10 cts., $\frac{1}{2}$ oz. 45 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.

Two Dwarf Varieties

Dwarf Champion. Potato-like foliage and a sturdy, stocky plant. Fruits medium size and purple-pink. Pkt. 10 cts., $\frac{1}{2}$ oz. 35 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$1.75.

Dwarf Stone. The fruits, produced in clusters of three to five, average 4 inches in diameter and 2 $\frac{1}{2}$ inches in depth. Pkt. 10 cts., $\frac{1}{2}$ oz. 35 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$1.75.

Small-fruited Tomatoes

These are valuable for making pickles, preserves, pepper-hash, etc. Their small size, quaint shapes, and bright colors help to make salads that are attractive, and their pleasing, sweet flavor also makes them desirable.

King Humbert. The fruits are suggestive of a hen's egg in shape and size, and are bright scarlet in color. Pkt. 15 cts., $\frac{1}{2}$ oz. 45 cts., oz. 85 cts., $\frac{1}{4}$ lb. \$2.25.

Yellow Cherry
Red Cherry
Red Currant
Peach

Red Pear
Yellow Pear
Red Plum
Yellow Plum

Each, pkt. 15 cts., $\frac{1}{2}$ oz. 45 cts., oz. 85 cts., $\frac{1}{4}$ lb. \$2.25.

Strawberry or Husk Tomato

The plants are of dwarf, spready growth and very productive of sweet-flavored, yellow fruits about the size of a cherry and inclosed in a husk. Pkt. 15 cts., $\frac{1}{2}$ oz. 45 cts., oz. 85 cts., $\frac{1}{4}$ lb. \$2.25.

Forcing Tomatoes

For cultivation under glass.

S. & W. Co.'s Best of All. Fruits of moderate size, smooth, round, and set in bunches. Color rich scarlet-red. Equally good for outdoor culture. Pkt. 20 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Comet. Is very short-jointed, fruiting close up to the stem. The deep scarlet Tomatoes are of medium size. Pkt. 15 cts., $\frac{1}{4}$ oz. 30 cts., oz. \$1.

Stirling Castle. Very heavy cropper of medium-sized, smooth, round, clear red fruit. Pkt. 20 cts., $\frac{1}{4}$ oz. 40 cts., oz. \$1.25.

Sunrise. A fruit of fine quality, small to medium in size, perfectly round, and produced in long clusters. Pkt. 20 cts., $\frac{1}{4}$ oz. 40 cts., oz. \$1.25.

Victory Forcing. A popular variety in England. Pkt. 50 cts., 3 pkts. \$1.25.

WATERMELONS

One ounce will plant about 50 hills. Ready in from 12 to 13 weeks after sowing.

CULTURE. Plant about 8 seeds in a hill, and have the hills 8 feet apart; thin to 3 plants to a hill.

Cole's Early. Succeeds in northern states, where Watermelons never matured before. Flesh bright red, crisp, and delicate in texture, of sweet, refreshing flavor. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.50.

Kleckley Sweets. The sweetest of all the Watermelons. Fruits large with very brittle, unusually thin, green rind and firm, tender, fine-flavored, scarlet flesh. Pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 50c., lb. \$1.25.

Tom Watson. A long melon with a tough rind. Flesh red, sweet, and tender. Prolific. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.25.

Pride of Muscatine. A wilt-resistant variety. Outwardly resembles Kleckley Sweets. Flesh is light pink, with edible qualities slightly inferior to other types offered, but for wilt-infested areas will prove outstanding. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 70 cts., lb. \$2.

Citron. Used for preserves. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.50.



Cole's Early Watermelon

Grandmother's favorites, these interesting, attractive and useful plants were in the gardens of colonial America. And prior to the time of Columbus, they provided the homemaker of medieval Europe with her salads, condiments, perfumes, and remedies.

ANGELICA. *Archangelica officinalis*. Stems are candied to make sweetmeats and leaves served as a vegetable. Known as the "Holy Ghost" Root, has medicinal properties; seeds flavor liqueurs. Biennial; 4 feet. **Seed only**, pkt. 25 cts.

ANISE. *Pimpinella Anisum*. Seeds flavor candy, cordials, and pastries; aid digestion. Leaves used for salads or garnishing. Annual; 16 inches. **Seed only**, pkt. 15 cts., oz. 30 cts.

BALM. *Melissa officinalis*. Lemon-scented foliage used for flavoring food, vinegar, confections, wines, and liqueurs, and is added to salads. Balm tea is an old remedy, recommended for fevers, asthma and headaches. 18 inches. **Seed**, pkt. 25 cts. **Plants**, 90 cts. for 3.

BASIL, Sweet (Basilico). *Ocimum Basilicum*. Leaves used for flavoring. An infusion makes a skin lotion and is used internally. Snuff, from the leaves, is a headache remedy. Annual; 12 inches. **Seed only**, pkt. 25 cts.

BASIL, Lettuce-leaved. *Ocimum bullatum*. Larger leaves than the above. Uses are the same. Annual. **Seed only**, pkts. 25 cts.

BEE-BALM (Oswego Tea, Bergamot). *Monarda didyma*. The plant is fragrant. Dried leaves and seeds are an ingredient in potpourri. Thymol is made from it. **Seed**, pkt. 25 cts. **Plants**, 90 cts. for 3.

BENE. *Sesamum orientale*. An old remedy for dysentery. Seeds impart a nut-like flavor to confections; yield oil of sesame or teel-oil. Annual. **Seed**, pkt. 15 cts., oz. 40 cts.

BETONY (Woundwort). *Stachys officinalis*. Old-time remedy. 3 feet. **Plants only**, 90 cts. for 3.

BORAGE, GURKENKRAUT. *Borago officinalis*. Flowers used in salads and candied for sweetmeats; also to flavor cordials. 2 feet. **Seed**, pkt. 25 cts. **Plants**, 90 cts. for 3.

BURNET (Pimpinella). *Sanguisorba minor*. Leaves used for salads; their flavor resembles cucumbers. An infusion makes a face lotion. Give a pleasing bouquet to wine. 20 inches. **Seed**, pkt. 25 cts. **Plants**, 90 cts. for 3.

CARAWAY. *Carum Carvi*. Well-known flavoring for cordials and sauces; also for bread- and cake-making. Annual; 18 inches. **Seed only**, pkt. 15 cts., oz. 50 cts.

CATNIP. *Nepeta Cataria*. Shoots used for seasoning; tea was made from it before tea came out of China. Allegedly turns mild people ferocious. Remarkable manner in which it interests the domestic cat is well known. 3 feet. **Seeds**, pkt. 25 cts. **Plants**, 90 cts. for 3.

CHAMOMILE. *Antemhis nobilis*. A tonic and febrifuge; used to bleach the hair. Chamomile tea soothes the nerves; emetic in large quantities. Smoked, it relieves asthma. A Chamomile poultice relieves toothache. 1 foot. **Seed**, pkt. 25 cts. **Plants**, 90 cts. for 3.

CHIVES. *Allium Schoenoprasum*. Mild onion flavor, used as a salad ingredient. 10 inches. **Seed**, pkt. 15 cts., oz. \$1. **Plants**, 90 cts. for 3.

CORIANDER. *Coriandrum sativum*. Seeds used in cooking, candy-making, and flavoring cordials. Annual; 2½ feet. **Seed only**, pkt. 15 cts., oz. 50 cts.

Vegetable Seed Collections

These contain full-size packets of the best varieties described on the preceding pages. They save time and money and are ideal as gifts.

\$6.00 COUNTRY GARDEN COLLECTION. Forty distinct vegetables. Takes care of the normal requirements of a family of six; plants in garden 50 by 100 feet. (Value \$7.25.)

\$3.50 SUBURBAN COLLECTION. Thirty distinct varieties, for a plot 25 by 100 feet. (Value \$4.35.)

\$2.00 SUBSISTENCE GARDEN COLLECTION. Made up of twenty reliable varieties that will keep a plot 50 by 100 feet filled with staple vegetables. (Value \$2.95.) Doz. Collections \$21.00, 100 Collections \$150.00.

\$1.00 GARDEN FULL OF VEGETABLES. We have supplied this Collection for many years and always it has given satisfaction. 18 packets.

50c CHILDREN'S COLLECTION, as furnished to the New York Department of Education. For a plot 15 by 15 feet or more. Small packets of the seven quick vegetables that are easy to grow: beans, beets, carrots, kohlrabi, lettuce, radish, chard. Doz. Collections \$3.50, 100 Collections \$25.00.

These Collections do not include Potatoes. We prepay to any post office in the United States.



Old-Time Herbs

CULINARY AROMATIC MEDICINAL HERBS

For the Kitchen Garden and for the formal fragrant, old-time Herb Garden

COSTMARY (Mint Geranium, Alecost). *Cbrysanthemum Balsamita*. For scenting linen. Beer was flavored with it, and a tea made from the dried leaves. 2½ feet. **Plants only**, 90 cts. for 3.

CUMIN (Pfeffer-Kummel; Fennel Flower). *Cuminum Cuminum*. Seeds flavor soups, pastry and liqueurs. Annual; 4 inches. **Seed only**, pkt. 15 cts., oz. 50 cts.

DILL. *Anethum graveolens*. Seeds are an ingredient in dill pickles, and used for flavoring preserves. Annual; 2½ feet. **Seed only**, pkt. 10 cts., oz. 35 cts., ¼ lb. \$1.00.

ELECAMPANE. *Inula Helenium*. Roots have medicinal properties. 4 feet. **Plants only**, 90 cts. for 3.

FENNEL (Finocchio). *Feniculum vulgare*. Looks like celery but with feathered leaves and a sweet flavor. Leaf-bases are bulb-like in the Sicilian type, which we offer. Served as a vegetable, raw or cooked, while the seeds are used for flavoring. Supposed to impart physical strength and cure obesity. Treat as an annual; 2 feet. **Seed only**, pkt. 15 cts., oz. 45 cts., ¼ lb. \$1.25, lb. \$3.50.

FENUGREEK. *Trigonella Fenum-Græcum*. Odorous annual; seeds used in the East as a drug, dye, and food. Ingredient in curry powder. By stimulating thirst and aiding digestion, increases one's weight. 2 feet. **Seed only**, pkt. 15 cts.

HOP (Houblon). *Humulus Lupulus*. A bitter stimulant and stomachic obtained by infusing the female flower; essential in brewing. Young shoots may be used as a vegetable. Climber. **Seed**, pkt. 25 cts. **Plants**, 90 cts. for 3.

HOREHOUND. *Marrubium vulgare*. For seasoning. Cough remedy is made from the leaves; a tea, valuable in chest ailments, also. 3 feet. **Seed**, pkt. 25 cts. **Plants**, 90 cts. for 3.

HYSSOP. *Hyssopus officinalis*. Decorative plant for edging and an everlasting. For flavoring and has medicinal properties. 1 foot. **Seed**, pkt. 25 cts. **Plants**, 90 cts. for 3.

LAVENDER *Lavandula vera*. Dried flowers impart a fragrance to linen; from them lavender-water is distilled. We offer the perfumed "Munstead Strain." 2 ft. **Seed**, pkt. 25 cts. **Plants**, 90 cts. for 3.

LAVENDER-COTTON. *Santolina incana*. Aromatic plant, valuable for edging. 1½ feet. **Plants only**, 90 cts. for 3.

LEMON VERBENA. *Aloysia citrodora*. Very fragrant plant with the odor of lemon. Not strictly hardy; needs protection over winter. **Plants only**, 90 cts. for 3.

LOVAGE. *Levisticum officinale*. Liebstock. Seeds used in confectionery; leaves are blanched and eaten like celery. 4 feet. **Seed**, pkt. 25 cts. **Plants**, 90 cts. for 3.

MARJORAM, Pot. *Origanum vulgare*. Leaves used in salads; potpourri ingredient. Valuable edging plant. 20 inches. **Plants only**, 90 cts. for 3.

MARJORAM, Sweet or Knotted. *Origanum Majorana*. Leaves are employed for seasoning and are added to salads. A perfumery oil is extracted from it. Potpourri ingredient. 2 feet. **Seed**, pkt. 25 cts. **Plants**, 90 cts. for 3.

Additional Plants

These have medicinal properties, or are of sentimental interest; they are described elsewhere in this catalogue. Please consult the index.

Aconite (Monkshood)
Boneset. Eupatorium.
Chervil.
Cowslip. Primula.
Dandelion.
Dittany. Dictamnus.
Feverfew. Pyrethrum.
Garlic.

Germander. Teucrium.
Heart's Ease. Pansy.
Horse-Radish.
Marigold. Calendula.
Monkshood. Aconitum.
Musk. Mimulus.
Soapwort. Saponaria.
Stramonium. Datura.

Dried Herbs

To Place on Your Pantry Shelf

	Per 2 to 3-oz. bottle		Per 2 to 3-oz. bottle
Basil	\$0 45	Sage	\$0 30
Marjoram	30	Savory	30
Mint	40	Tarragon	50
Rosemary	30	Thyme	30

COLLECTION NO. 2H. One bottle each of above (value \$2.85), in attractive box, \$2.75.

HERBS CULINARY AROMATIC MEDICINAL

For the Kitchen Garden and for the formal fragrant, old-time Herb Garden

MINTS (Perennials)

These delight in moist ground and shade. The "Mint Pool" was a feature of the monastery garden of medieval times.

ANISE MINT. *Mentha viridis anisatus.* The aroma of anise combined with mint. For salads and cold drinks. 2 feet. **Plants only, 90 cts. for 3.**

APPLE MINT. *M. rotundifolia.* For flavoring beverages, jellies, and confections. 2½ feet. **Plants only, 90 cts. for 3.**

CREeping MINT. *M. Requienii.* Miniature variety for planting in "crazy pavements." 8 inches. **Plants only, 90 cts. for 3.**

PEPPERMINT. *M. piperita.* True English. An essence is distilled and a medicinal tea is infused from mint. For flavoring juleps. From it menthol is obtained. 3 feet. **Plants only, 90 cts. for 3.**

SPEARMINT. *M. viridis.* The common garden mint. For mint sauce, julep, jelly, etc., and for flavoring vegetables in cooking. Leaves candied for sweetmeats. 2 feet. **Plants only, 90 cts. for 3.**

ENGLISH PENNYROYAL. *M. Pulegium.* Aromatic medicinal herb. Valuable in the kitchen for seasoning. 1 foot. **Seed, pkt. 25 cts. Plants, 90 cts. for 3.**

ROSEMARY. *Rosmarinus officinalis.* For seasoning; dried leaves may be added to potpourri. They repel moths. 4 feet. **Seed, pkt. 25 cts. Plants, 90 cts. for 3.**

RUE. *Ruta graveolens.* The bitter leaves are employed for seasoning and beverage flavoring. An essential oil is used in toilet preparations. Poultry remedy for roup. In medieval prisons was used to keep down typhus. 2½ feet. **Seed, pkt. 25 cts. Plants, 90 cts. for 3.**

SAFFLOWER (False Saffron). *Carthamus tinctorius.* Has diaphoretic properties. Used as a dye and an ingredient in cosmetics. Annual; 3 feet. **Seed only, pkt. 25 cts.**

SAGE, Common. *Salvia officinalis.* Dried leaves are employed for stuffings and sauces. Chinese today prefer a tea infused from it to tea as we know it. Essential oil used in perfumery. 15 inches. **Seed, pkt. 25 cts., oz. 75 cts. Plants, 90 cts. for 3.**

SAVORY, Summer. *Satureja hortensis.* Bohnenkraut. Seasoning for all dishes. Imparts a meat-like flavor to vegetables. Annual; 18 inches. **Seed only, pkt. 15 cts., oz. 40 cts.**

SAVORY, Winter. *S. montana.* Seasoning herb and for flavoring liqueurs. Relieves bee-stings. Valuable edging perennial; needs a mulch over winter. 1 foot. **Seed, pkt. 25 cts. Plants, 90 cts. for 3.**

SCURVY-GRASS. *Cochlearia officinalis.* Salad ingredient. Antiscorbutic herb. Annual; 1 foot. **Seed only, pkt. 25 cts.**

TANSY. *Tanacetum vulgare.* For seasoning and flavoring. Was claimed to preserve meat. 1 foot. **Seed, pkt. 25 cts. Plants, 90 cts. for 3.**

COLLECTIONS OF HERBS FOR THE KITCHEN GARDEN

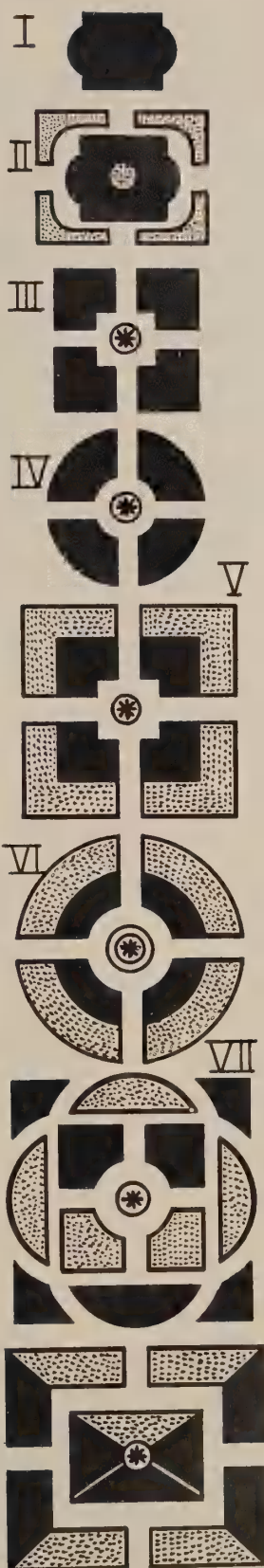
Perennials No. 77a TWELVE ROOTS of Perennial Herbs, 1 each of the 12 varieties marked ★ **\$3.25**

Perennials No. 77b THIRTY-SIX ROOTS of Perennial Herbs, 3 each of the 12 varieties marked ★ **\$9.00**

Annual Seeds No. 77c FIVE PACKETS, 1 each of the annual Herbs: Basil, Caraway, Coriander, Dill, Summer Savory. **60c.**

These Annuals are desirable to round off either of the first two Collections, giving you 17 different Herbs

Annual and Perennial Seeds, No. 77d TWELVE PACKETS, 1 each of the 12 Herbs marked ★, 5 Annuals, and 7 Perennials **\$2.00**



Herb-Garden Designs

In medieval times much thought was expended on the design of the herb garden, because here, amid their perfume, contentment could be found. In your herb garden today, you again can capture the atmosphere of lavender and old lace.

THYMES

CITRON or LEMON THYME. *Thymus citriodorus.* Scented carpeting plant. A few leaves in tea will enhance the aroma. 10 inches. **Plants only, 90 cts. for 3.**

COMMON THYME (English Thyme). *T. vulgaris.* Broad leaves. For seasoning foods, including salads and wine. Excellent edging plant. 8 inches. **Seed, pkt. 25 cts., oz. 75 cts. Plants, 90 cts. for 3.**

FRENCH THYME. *T. vulgaris.* Dwarf, small-leaved, heath-like plant. Potpourri ingredient. Plant it to be walked on and release its fragrance. 8 inches. **Seed, pkt. 25 cts., oz. 75 cts. Plants, 90 cts. for 3.**

CRIMSON THYME. *T. Serpyllum coccineus.* Dense, fragrant mat-plant for edging. 10 inches. **Seed, pkt. 25 cts. Plants, 90 cts. for 3.**

MOTHER OF THYME (Creeping Thyme). *T. Serpyllum.* Valuable evergreen edging; also used for seasoning. 10 inches. **Seed, pkt. 25 cts. Plants, 90 cts. for 3.**

VALERIAN (Heal-All, St. George's Herb). *Valeriana officinalis.* Brilliant spring flowers with spicy fragrance. Spikenard ointment made from it; still used in medicine. 4 feet. **Seed, pkt. 15 cts. Plants, 90 cts. for 3.**

WOODRUFF (Waldmeister). *Asperula odorata.* Dried leaves have perfume of new-mown hay; put with household linen. Used in "May wine." Formerly applied to sword wounds. Edging plant for partial shade. 8 inches. **Seed, pkt. 25 cts. Plants, 90 cts. for 3.**

WORMWOODS

BEACH WORMWOOD (Old Woman, Dusty Miller). *Artemisia Stelleriana.* Gray edging plant. 2 feet. **Plants only, 90 cts. for 3.**

COMMON WORMWOOD (Wermuth). *A. Absinthium.* Wormwood tea is a vermifuge. Used to flavor absinthe. 18 inches. **Plants, only, 90 cts. for 3.**

FRINGED WORMWOOD. *A. frigida.* For flavoring; used in perfumery. 1½ feet. **Plants only, 90 cts. for 3.**

MUGWORT. *A. lactiflora.* Fragrant perennial. The bitter leaves may be used for seasoning. Once a household remedy. 4 feet. **Seed, pkt. 25 cts. Plants, 90 cts. for 3.**

OLD MAN (Southernwood, Lad's Love). *A. Abrotanum.* Shrubby plant with divided, highly aromatic leaves. Keeps moths from clothing; sprinkled on the stove, will dispel kitchen odors. 3 to 4 feet. **Plants only, 90 cts. for 3.**

TARRAGON. *A. Dracuncululus.* Estragon. For salads and flavoring vinegar. Essential oil used in perfumery. Cannot be reproduced from seed. **Plants only, 50 cts. each.**

COMMON YARROW. *Achillea Millefolium.* Fragrant foliage. Old favorite. 2½ feet. **Seed, pkt. 15 cts., oz. 25c ¼lb. 70 cts., lb. \$2, 10 lbs. \$18.50. Plants, 90 cts. for 3.**

WOOLLY YARROW. *A. tomentosa.* Carpet-like, gray, aromatic plant. Charming edging perennial; 1 foot. **Plants only, 90 cts. for 3.**

Where to Plant Herbs

Most gardeners like to grow their Herbs in an Herb Garden. Suppose you purchase Plant Collection No. 77a (\$3.25); the 12 plants, which are perennials, will set nicely in a bed something like Figure I, measuring 4 by 3 feet.

There are five important annual Herbs and you really should have them for your collection to be well rounded. Make the oval bed a little larger and sow one of the annuals, Dill, in the center. Four curved triangles at the corners could then be seeded with the other four sorts, giving you Figure II for Plant Collection 77a (\$3.25), and Seed Collection 77c (60 cts.), needing about 8 by 5 feet.

If you have space enough for the 36 plants in Collection 77b (\$9), either figures III or IV would be interesting planting schemes. Here again you ought to have the 5 annuals, so you make room for them by making the design larger, like Figure V or VI, and sow seeds in those parts of the figures that are shaded, taking Plant Collection 77b (\$9) and Seed Collection 77c (60 cts.), needing about 9 by 9 feet.

Should you desire to grow all your Herbs from seed, a design something like VII or VIII would take the 12 plants in Collection 77d (\$2). These beds may occupy from 100 to 200 square feet.

Paths would be of grass. The star in the designs represents where you might have a sundial, bird-bath, or gazing-globe. We have made the perennial sections of the beds solid black and the annual sections are shaded.

Farm Seeds of High Quality

IMPROVED FIELD CORN

Sow 1 peck per acre for ears, $\frac{1}{2}$ bushel for silage, up to 1 bushel for fodder. Rows wide enough apart to allow tractor cultivation.

Flint Corns and early Dents are quick plants of moderate size and are grown for ears. Slower Dent sorts are larger and are for both ears and leaves. Fodder varieties are still larger and are grown for their leaves.

HYBRID CORNS

These will give you higher yields, deeper roots that will resist storms and droughts, and have less disease.

S. & W. Co.'s Hybrid Yellow Dent. (105 days.) Heavy-yielding variety. Produces very long, large, sound ears, deep grains; strong, stocky, medium-tall stalk. Excellent for ensilage as well as grain. Qt. 50 cts., postpaid 65 cts.; pk. \$2.50, bus. \$8.

Southern Hybrid Sweepstakes. (Fodder.) A cross between inbred strains of the heaviest yielding and largest stalked late southern ensilage variety, and the heaviest yielding early northern fodder Corn. Makes a large stalk and heavy tonnage, and will often mature grain in the North. Qt. 45 cts., postpaid 60 cts.; pk. \$2, bus. \$7, 10 bus. \$65.

Golden Eureka (Dent). Under favorable conditions may yield 150 bushels of ears or 25 tons of silage per acre. Grows 12 feet high; ears average 12 to 15 inches long, 18 to 20 rows, yellow grains, and small cob. Needs 100 days of Corn weather. Qt. 25 cts., postpaid 40 cts.; pk. \$1.15, bus. \$3.50, 10 bus. \$32.50.

Cornell No. 11 (Dent). A 110- to 115-day yellow Corn for silage as well as grain. Ears 9 to 10 inches, 14- to 18-rowed, with small red cobs. Grows 8 to 9 feet tall. Pk. \$1.25, bus. \$3.75, 10 bus. \$35.

Lancaster Sure Crop (Dent). Excellent early yellow Corn; makes an abundance of silage, while the ears average 1 foot. Stalks 9 feet high. Matures in 107 days. Pk. \$1.15, bus. \$3.50, 10 bus. \$32.50.

Longfellow (Flint). Ears 12 inches long; cobs small; kernels of good size. Safe for the production of ears as far north as Massachusetts. Qt. 25 cts., postpaid 40 cts.; pk. \$1.15, bus. \$3.50, 10 bus. \$32.50.

Jumbo Silage. (Fodder.) Improved West Branch Sweepstakes. Large plant, 12 to 15 feet high. Recommended for low, rich lands. Qt. 25 cts., postpaid 40 cts.; pk. \$1.25, bus. \$3.75, 10 bus. \$35.

Improved Horsetooth. (Fodder.) Pk. \$1, bus. \$3, 10 bus. \$27.50.

Evergreen. (Fodder.) A sweet Corn valuable as silage or green fodder. Qt. 35 cts., postpaid 50 cts.; pk. \$1.50, bus. \$5, 10 bus. \$47.50.



Mangel-Wurzel

POP-CORN

Slow curing under cover in thin layers and with maximum ventilation ensures good popping quality. Sow 5 pounds per acre in hills.

Sunburst. Fine large, yellow kernels that have a buttery tint when popped. Lb. 30 cts., postpaid 40 cts.; 10 lbs. \$2.25, 100 lbs. \$15.

Japanese Hulless. Small, white kernels. Lb. 30 cts., postpaid 40 cts.; 10 lbs. \$2.25, 100 lbs. \$15.

POP-CORN FOR POPPING, Sunburst. Lb. 15 cts., postpaid 25 cts.; 5 lbs. 70 cts., 10 lbs. \$1.25, 100 lbs. \$8.

Japanese Hulless. Lb. 15 cts., postpaid 25 cts.; 5 lbs. 70 cts., 10 lbs. \$1.35, 100 lbs. \$9.

SEMESAN JR. IMPROVED. Corn-disinfectant. Protects seed against rotting, increases germination, controls blight. 4 ozs. 30 cts., lb. 75 cts., 5 lbs. \$3, 25 lbs. \$12.50. (Circular on request.)

ROOTS FOR STOCK

Palatable, digestible, nutritious, and easily stored food is yielded in large quantity by Mangels, Rutabagas, and Carrots.

MANGEL AND SUGAR BEET

Sow in drills 30 inches apart; thin to 12 inches. 6 to 8 lbs. per acre in the spring.

Mammoth Long Red. The skin is bright red, and under favorable conditions the roots may reach 3 feet in length. Oz. 20 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1, 10 lbs. \$9.

Champion Yellow Globe. Roots moderate in size and of exceptional quality. Yellow skin; white flesh; highly nutritious. $\frac{1}{4}$ lb. 45 cts., lb. \$1, 10 lbs. \$9.

Pedigreed Ideal. Cylindrical in shape and grows high out of the ground. Yellow skin and white flesh; highly nutritious. $\frac{1}{4}$ lb. 60 cts., lb. \$1.50, 10 lbs. \$12.50.

Half-Sugar Rose. Long root with pink skin and white flesh. $\frac{1}{4}$ lb. 40 cts., lb. 85 cts., 10 lbs. \$8.

Golden Tankard. $\frac{1}{4}$ lb. 45 cts., lb. \$1, 10 lbs. \$9.

Mammoth Long Yellow. $\frac{1}{4}$ lb. 45 cts., lb. \$1, 10 lbs. \$9.

Klein Wanzleben Sugar Beet. Root contains a high percentage of sugar. Oz. 20 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1, 10 lbs. \$9.

RUTABAGA OR SWEDE

Sow 4 pounds per acre in June, in drills 30 inches apart.

American Purple-Top. Reddish purple top; nutritious yellow flesh; spherical shape. $\frac{1}{4}$ lb. 60 cts., lb. \$1.50, 10 lbs. \$14.

Long Island Improved. Oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.50, 10 lbs. \$14.

CATTLE CARROT

Valuable for horses. Sow 4 pounds per acre from May 15 to July 1.

Mammoth White Belgian. Root 16 inches long. Skin white; flesh white. $\frac{1}{4}$ lb. 60 cts., lb. \$1.50, 10 lbs. \$14.

Danvers Cattle. $\frac{1}{4}$ lb. 65 cts., lb. \$1.75, 10 lbs. \$16.

Long Orange Cattle. $\frac{1}{4}$ lb. 65 cts., lb. \$1.75, 10 lbs. \$16.



SEED PRESERVER FOR CORN insures your seeds. It prevents crows and other birds taking the seed; it protects against ground-rot and smut. It is non-poisonous and does not retard germination.

Large can, enough for 2 bus. seed corn. \$1 00
Small can, enough for 1 bus. 60



Longfellow Flint Corn

PLOW-UNDER CROPS

improve your soil. In early spring, sow Canada Peas; late spring, Soy Beans; summer, Buckwheat; late summer, Rye and Vetch



Field of Storm King Oats

SEED OATS

Superior varieties often weigh up to 40 pounds per measured bushel, but are sold at the standard weight of 32 pounds per bushel. For production of grain, use $2\frac{1}{2}$ bushels per acre; for forage, 3 bushels. Sown with Canada Peas, $1\frac{1}{2}$ bushels each of Oats and Peas per acre.

Storm King. Fine, hardy tartar side-oat. Heavy yielder. Stout straw. Pk. 75 cts., bus. \$2.25, 10 bus. \$21.50, 100 bus. \$200.

Lenroc. Highly recommended. Plump, nearly white berry. Good yielder. Qt. 20 cts., postpaid 30 cts.; pk. 70 cts., bus. (32 lbs.) \$2, 10 bus. \$18.50, 100 bus. \$165.

Welcome. Heavy, handsome, and productive. Swedish type. Pk. 70 cts., bus. (32 lbs.) \$2, 10 bus. \$18.50, 100 bus. \$165.

Cornellian. Gray kernels, high yielding and meaty. Pk. 70 cts., bus. (32 lbs.) \$2, 10 bus. \$18.50, 100 bus. \$165.

ALPHA BARLEY. High-yielding and satisfactory. The kernels are large, plump, and heavy. Splendid for the dairy farmer who uses one bushel each of Barley, Oats, and Field Peas per acre. When used alone, sow $1\frac{1}{2}$ to 2 bushels per acre. Qt. 20 cts., postpaid 35 cts.; pk. \$1, bus. \$3, 10 bus. \$27.50.

SPRING RYE. Valuable with Vetch as a plow-under crop for soil-improvement, using $\frac{1}{2}$ bus. with 75 lbs. of Vetch per acre. When grown alone, sow $1\frac{1}{2}$ bus. of Rye per acre. Qt. 25 cts., postpaid 40 cts.; pk. \$1.25, bus. \$3.75, 10 bus. \$35.

MARQUIS WHEAT. A heavy-cropping, hard, beardless variety. Sow in spring, $1\frac{1}{2}$ to 2 bus. per acre. Qt. 25 cts., postpaid 40 cts.; pk. \$1.25, bus. \$3.75, 10 bus. \$35.

WHEAT FOR COOKING. Lb. 15 cts., postpaid 25 cts.; 10 lbs. \$1, 100 lbs. \$8.

For all Legumes use LEGUME-AID. Nitrogen-fixing bacteria in jelly form. Large seed units (vetches, peas, beans, etc.), bus. 30 cts., 2 bus. 50 cts., 5 bus. \$1. Clover units, $\frac{1}{2}$ bus. 30 cts., bus. 50 cts., 2 $\frac{1}{2}$ bus. \$1. Garden unit, 25 cts. Please state crop for which Culture is desired.

VETCHES OR TARES

Excellent for milk-production and fattening live-stock, either green or as silage or hay. Recommended as plow-under crops for soil-improvement. Usually grown with oats, wheat, or rye to keep them off the ground.

Spring Vetch (*Vicia sativa*). Sow in spring, using 150 lbs. per acre, broadcast, or 100 lbs. in drills; or $\frac{1}{2}$ bus. of a cereal and 75 lbs. of Vetch. Lb. 25 cts., postpaid 35 cts.; 10 lbs. \$2, 100 lbs. \$15.

Winter or Hairy Vetch (*Vicia villosa*). For spring and autumn seeding, using 125 lbs. per acre, broadcast, or 100 lbs. in drills; or $\frac{1}{2}$ bus. of a cereal and 75 lbs. of Winter Vetch. Lb. 30 cts., postpaid 40 cts.; 10 lbs. \$2.50, 100 lbs. \$20.

CANADA FIELD PEAS. Three bushels per acre or $1\frac{1}{2}$ bus. Peas and $1\frac{1}{2}$ bus. Oats. Qt. 35 cts., postpaid 50 cts.; pk. \$1.50, bus. \$5, 10 bus. \$47.50.

COWPEAS

For improving soils by plowing under; also valuable as hay. Sow 2 bus. per acre.

New Era. Peas dull lead-colored. Early.

Whippoorwill. Brown-speckled seed.

Above sorts, qt. 25 cts., postpaid 40 cts.; pk. \$1.25, bus. \$4, 10 bus. \$38

SOY BEANS

Used for improving soils by plowing under; as a fodder crop they yield fifteen or more tons per acre. Sow 4 to 8 pecks to the acre.

Mammoth Yellow. For hay or plowing under.

Wilson. A black-seeded sort. Early.

Above sorts, qt. 25 cts., postpaid 40 cts.; pk. \$1, bus. \$3.25, 10 bus. \$30.

Cayuga. Suitable for production of beans in the North. Qt. 35 cts., postpaid 50 cts.; pk. \$1.65, bus. \$5, 10 bus. \$45.

JAPANESE BUCKWHEAT. More prolific than other sorts, and the grains are nearly twice as large. Sow about the middle of June, broadcast, $1\frac{1}{2}$ bushels per acre. Qt. 20 cts., postpaid 35 cts.; pk. 80 cts., bus. \$2.25, 10 bus. \$20.

SUNFLOWER, Mammoth Russian. For poultry feed. Four pounds of seed will sow an acre. Lb. 25 cts., postpaid 35 cts.; 10 lbs. \$2, 100 lbs. \$15.

SUNDRY FARM SEEDS

AMBER SUGAR-CANE. Sow 50 pounds per acre. Lb. 20 cts., postpaid 30 cts.; 10 lbs. \$1.50, 100 lbs. \$10.

SUDAN GRASS. Sow 30 pounds per acre. Lb. 20 cts., postpaid 30 cts.; 10 lbs. \$1.50, 100 lbs. \$10.

BROOM CORN. Sow 20 pounds per acre. Lb. 30 cts., postpaid 40 cts.; 10 lbs. \$2.50, 100 lbs. \$20.

KAFFIR CORN. For semi-arid regions. Sow 15 pounds per acre in rows; 50 pounds broadcast. Lb. 15 cts., postpaid 35 cts.; 10 lbs. \$1.10, 100 lbs. \$7.50.

MILO MAIZE. Used for soiling and fodder. Sow 15 pounds per acre. Lb. 20 cts., postpaid 30 cts.; 10 lbs. \$1.25, 100 lbs. \$8.

FLAX or LINSEED. Use 75 pounds per acre. Lb. 25 cts., postpaid 35 cts.; 10 lbs. \$1.75, 100 lbs. \$12.50.

MILLETS. Catch-crops to replace corn, wheat, or other crop which may have failed. They are fed green, or as silage or hay.

Golden. Sow 50 pounds per acre. Lb. 20 cts., postpaid 30 cts.; 10 lbs. \$1.30, 100 lbs. \$8.

Hungarian. Sow 50 pounds per acre. Lb. 20 cts., postpaid 30 cts.; 10 lbs. \$1.40, 100 lbs. \$9.

Japanese Barnyard. Sow 25 pounds per acre. Lb. 20 cts., postpaid 30 cts.; 10 lbs. \$1.50, 100 lbs. \$10.

DWARF ESSEX RAPE. For sheep, hogs, and cattle. Sow in July or August, using 12 pounds per acre broadcast or 5 pounds per acre in drills. Lb. 30 cts., postpaid 40 cts.; 10 lbs. \$2.50, 100 lbs. \$20.



Vetch and Oats Sown Together

Grass for Hay or Permanent Pasture



The Sawco Grass and Clover Formulas

We have furnished these for over forty years, and they have long shown their suitability to conditions in the greater Metropolitan district, where they have proved highly satisfactory to our many customers. They are compounded from a wide range of varieties.

Sawco Formula No. 1. Grasses only of high quality for pasture and hay, consisting of nine permanent varieties, correctly proportioned. No Clover. Sow 45 pounds per acre. Lb. 45 cts., 10 lbs. \$4, 100 lbs. \$30.

Sawco Formula No. 2. Grasses and Clovers of high quality for pasture and hay. This mixture consists of twelve ingredients, giving good pasturage and heavy cuts of highly nutritious hay. Sow 40 pounds per acre. Lb. 50 cts., 10 lbs. \$4.50, 100 lbs. \$35.

Sawco Formula No. 3. Clovers only of high quality for rich pasturage. No grasses. Sow 15 pounds per acre. Lb. 55 cts., 10 lbs. \$5, 100 lbs. \$40.

Sawco Low-Cost Formula No. 4. For hay and pasture; consists of Timothy, Red-top and Clover only. Sow 30 pounds per acre. Lb. 35 cts., 10 lbs. \$2.75, 100 lbs. \$17.50.

When ordering any of these formulas, kindly state whether your soil is (a) loamy, (b) bottom-land, (c) shaded orchard or (d) poor, including hillside.

Cornell Pasture and Hay Mixtures

The following three mixtures of grass and clover seeds are compounded strictly in accordance with the most recent specifications of the Department of Agronomy, Cornell University. However, we use higher quality ingredients than specified.

Cornell Pasture Mixture No. 1. For good land, adequately fertilized. A companion grain crop is not advised. Sow 25 pounds per acre. Lb. 50 cts., 10 lbs. \$4.50, 100 lbs. \$37.50.

Cornell General-Purpose Mixture No. 2. For hay and pasture or pasture alone. For soil of fair quality, but will thrive under drier conditions than No. 1. May be used with a grain crop. Sow 20 pounds per acre. Lb. 50 cts., 10 lbs. \$4.50, 100 lbs. \$37.50.

Cornell Utility Mixture No. 3. For poorer soil than either Nos. 1 or 2. Minimum seeding per acre, 18 pounds. Lb. 50 cts., 10 lbs. \$4, 100 lbs. \$35.

Quantities are those recommended by Cornell University.

Where maximum speed is needed, and on weed-seed-infested land, these amounts may well be increased by 50 per cent.

Special Note. This is a suggestion of the Stumpp & Walter Co. and is not necessarily endorsed by Cornell.

New Grass Sub-Varieties

We offer the following improved modern strains:

Creeping Red Fescue, Old's Strain. Definitely creeping and especially valuable for lawns. The turf is superior to that of the standard Red Fescue. Lb. \$1.15, 10 lbs. \$10.50, 100 lbs. \$95.

Orchard Grass, Akaroa Strain. A New Zealand sub-variety. Produces heavier crops and stools less than the type. Recommended for the metropolitan area and south, but not a great distance north, because it is unlikely to stand exceptionally severe winters. Lb. \$1, 10 lbs. \$9, 100 lbs. \$80.

Ryegrass, Kentish. Imported seed from Kent County, England. A superior old pasture type and definitely perennial. Lb. 55 cts., 10 lbs. \$5, 100 lbs. \$40.

Ryegrass, Svalof. The true Swedish Victoria strain. A heavy-cropping, perennial, leafy sort, and exceptionally winter-hardy. Lb. 55 cts., 10 lbs. \$5, 100 lbs. \$40.

Timothy, Aberystwyth S 50. Good pasture variety and dwarf enough even for lawns. Creeping, the dense sod persists under close grazing. Height, when mature, 18 inches. Lb. \$1.75, 10 lbs. \$16.50, 100 lbs. \$150.

Timothy, Corstophine Pasture CB 191. Quite similar to the Aberystwyth S 50 strain, but appears to be a heavier seed producer. Lb. \$1.75, 10 lbs. \$16.50, 100 lbs. \$150.

We deliver Grass Seed Mixtures to any point in the United States

CLOVERS Seed of Maximum Purity and Highest Germination

In addition to their value as pasture and hay crops, they transform the nitrogen of the air into nitrates; thus they improve the soil. Prices are subject to change.

Medium Red. Summer crop is usually cut when in blossom for hay; second crop in late summer. Sown spring or fall, and if alone, at the rate of 20 pounds per acre. American Seed. Lb. 50 cts., 10 lbs. \$4, 100 lbs. \$32.50.

Mammoth Red. A larger type than the preceding. Sow, if alone, 15 pounds per acre. American Seed. Lb. 50 cts., 10 lbs. \$4.25, 100 lbs. \$35.

Alsike (Swedish Clover). Hardy and will do better on unfavorable land than other varieties. Usually sown in mixtures; if used alone, allow 10 pounds per acre. Lb. 50 cts., 10 lbs. \$4, 100 lbs. \$32.50.

White Clover. (Supply is limited due to war.) Used in mixtures for pastures or lawns. Lb. \$1.25, 10 lbs. \$11.50, 100 lbs. \$100.

Kentish Wild White Clover. More permanent and more spreading than plants originating from commercial seeds. Thrives on soils that are too poor to support other Clovers. Inclusion of 1 pound per acre in a seed mixture is recommended to increase the yield of hay or pasturage. ¼ lb. \$1, 1 lb. \$3, 10 lbs. \$27.50.

Ladino Clover. A giant white Clover, excellent for permanent pastures. Good either for shallow or heavy soils, but especially profitable on moist ones. Produces heavily over entire pasture season. Lb. \$1.35, 10 lbs. \$12.50, 100 lbs. \$110.

Alfalfa or Lucerne. Resists drought because of its deep roots. Use 25 pounds per acre drilled, or 35 pounds broadcast. Northern-grown, cold-resistant American Seed. Lb. 60 cts., 10 lbs. \$5, 100 lbs. \$40.

Grimm Alfalfa. Hardier, bigger, and more tolerant of unfavorable soils than the type. Use 20 pounds per acre drilled, or 25 pounds broadcast. Lb. 70 cts., 10 lbs. \$6, 100 lbs. \$50.

Crimson Clover. For early spring pasture or for hay. Use 20 pounds per acre from June to October. Lb. 35 cts., 10 lbs. \$2.75, 100 lbs. \$20.

Sweet Clover. Fair fodder when young, and excellent to turn under. Bee-plant. 6 ft. Sow 15 pounds per acre. Lb. 30 cts., 10 lbs. \$2.25, 100 lbs. \$15.

Yellow Sweet Clover. A yellow-flowered counterpart of the above. Lb. 35 cts., 10 lbs. \$2.50, 100 lbs. \$17.

Hubam. Annual white Sweet Clover. Will produce a bumper crop and attain maturity the first season. Lb. 40 cts., 10 lbs. \$3.50, 100 lbs. \$25.

Birdsfoot Trefoil (*Lotus corniculatus*). A drought-resistant perennial legume of dwarf stature. As a bottom plant is highly valuable in pastures and even for rough lawns, on slopes. Price on application.

Yellow Trefoil (*Medicago lupulina*). A yellow-flowered clover, otherwise somewhat similar to alfalfa. Lb. 45 cts., 10 lbs. \$3.50, 100 lbs. \$25.

Lespedeza. For pasture, hay and lawns on poor land in warmer sections. **Korean,** or **Kobe.** Either variety, lb. 30 cts., 10 lbs. \$2.25, 100 lbs. \$15.

Sericea. Lb. 40 cts., 10 lbs. \$3.50, 100 lbs. \$25.

Use **LEGUME-AID.** Nitrogen-fixing bacteria in jelly form. Large seed units (vetches, peas, beans, etc.), bus. 30 cts., 2 bus. 50 cts., 5 bus. \$1. Clover units, ½ bus. 30 cts., bus. 50 cts., 2½ bus. \$1. Garden unit, 25 cts. Please state crop for which Culture is desired.

Fruit Trees

High-quality trees which, if treated with average care, are sure to succeed. They should be planted when received, in rich soil, the roots being carefully separated. In dry weather water and mulch them. **Shipping Season, April and May.** Purchaser pays transportation beyond 50 miles.

Apple Trees

5 to 7-foot standards; main stem 1 1/2-inch diameter. \$2 each

- Baldwin.** (Early Winter). Large; red; crisp and good flavor.
Delicious. (Early Winter.) Large; dark red; splendid flavor.
Early McIntosh. (Summer.) A McIntosh type that is ready very early.
Hyslop. (Crab.) Large; crimson, splashed dark red.
Yellow Transparent. (Early Summer.) Brilliant yellow; tender and juicy.

Peach Trees

4 to 5-foot standards; main stem 1 1/2-inch diameter. \$2 each

- Belle of Georgia.** (Late.) Freestone. Large; white with red cheek.
Champion. (Early.) Cream-white, red cheek.
Crawford's Early. Freestone. Large; yellow with red cheek.
Crawford's Late. Freestone. Deep yellow.
Elberta. (Midseason.) Freestone, Large; yellow with red cheek.

Cherry Trees

5 to 6-foot standards; main stem 1 1/2-inch diameter. \$2.50 each

- Black Tartarian.** (Early; sweet.) Large; black.
Governor Wood. (Early; sweet.) Large; yellow, red cheek.

Pear Trees

5 to 7-foot standards; main stem 1 1/2-inch diameter. \$2 each

- Bartlett.** (Late; summer.) Large; luscious; sweet flavor.
Duchess. (Late fall.) Large; green, patched with russet; sweet.
Seckel. (Summer.) Medium size; yellowish, with brown-red cheek; sweet and juicy.

Plum Trees

5 to 6-foot standards; main stem 1 1/2-inch diameter. \$2 each

- Abundance.** Fruit large; flesh light yellow; sweet.
Burbank. Fruit large; dark violet.

Hanson Bush Cherries. A real novelty of merit. You can now have Cherries even if your gardening space is limited. Though the fruit of this Bush Cherry closely resembles a plum in size and shape, it comes in clusters completely covering the branches. The bush grows 5 to 6 feet tall and will often bear fruits the first year, and yearly from then on. The fruit is of good flavor and is excellent for eating and making jams and jellies. **2-yr. plants, 18 to 24 in., 75 cts. each, \$7.50 per doz.**

BUSH FRUITS

We cannot ship **CURRENTS** and **GOOSEBERRIES** outside of New York State due to Federal Quarantine

Blackberries

Cultivation as for raspberries.

Strong canes, 20 cts. each, \$2 per doz., \$15 per 100

Blowers. Large; glossy; fine quality.

Eldorado. Large; coal-black; sweet; melting.

Blueberries (Cultivated)

Plants do best in an acid soil of a peaty nature, and should be placed 4 feet apart.

Concord. The best "High-bush."

Plants grow 6 feet

Raspberries

high and bear large, fine fruit.
2-yr., 12 to 15-in. plants, \$2 each, \$20 per doz.
3-yr., 15 to 18-in. plants, \$3.50 each, \$35 per doz.

Boysenberries

A new variety which is a cross of loganberry, raspberry and blackberry. Yields large fruit of wonderful flavor.

35 cts. each, \$3.50 per doz., \$25 per 100

Dewberries

Cultivation as for raspberries.

Lucretia. Large berries of superior flavor.

20 cts. each, \$2 per doz., \$15 per 100

Currants

Plant in rows 6 feet apart and 4 feet between bushes in the rows; if to be cultivated in two directions, place them 5 feet apart each way. The soil should be well worked to a depth of 1 foot before planting.

President Wilder. Upright bush, vigorous. Fine large, bright red berries.

3-yr., 35 cts. each, \$3.50 per doz., \$25 per 100

Gooseberries

Cultivation as for currants. They need close pruning every year.

50 cts. each, \$5 per doz., \$40 per 100

Downing. Pale green; large. Prolific.

Houghton. (Red.) Medium-sized berries.

Grapes

A fence or arbor should be constructed to which they will be attached. At least 6 feet should be allowed between plants.

2-yr., 50 cts. each, \$5 per doz.

Catawba. (Red.) Dark-hued; large.

Concord. (Black.) Early. Large berries.

Delaware. (Red.) Small berries.

Niagara. (White.) Large berries.

Raspberries

They succeed on any good land, but amply repay high cultivation. Plant at 3-foot intervals in rows 6 feet apart.

20 cts. each, \$2 per doz., \$15 per 100

Cuthbert. (Red.) Vigorous bearer.

White Queen. Almost white fruits.

Plum Farmer. (Blackcap.) One of the best.

STRAWBERRIES

Are Easily Grown

EARLY VARIETIES

Dorsett. A very vigorous-growing variety.

Early. Bright red, cone-shaped berries.

Fairfax. Berry of exceptional firmness and high dessert quality. A prolific bearer.

MIDSEASON AND LATE

Big Joe. A very productive variety with extremely large berries, and one of the best-flavored sorts. In size, firmness, yield, color, and quality, it leads. Midseason.

Catskill. Plants are large and healthy. Fruit extremely large, well colored. Midseason.

Chesapeake. Has a beautiful appearance. Extra large and even in shape. Late.

New Jersey. Produces an abundance of large, bright flame-colored berries.

Everbearing Varieties

Mastodon. Fruit is very large and produces berries from summer to late fall.

Progressive. Produces fruit all season. Berries of medium size and full flavored.

Above, Potted Plants, August delivery, \$2 per doz., \$10 per 100, \$80 per 1000

Alpine Strawberries

Plant in borders, rock-gardens, or beds and enjoy a crop of small, delicious berries all summer. In flavor it is similar to the Wild Strawberry.

Baron Solemacher. Red fruits. Exceedingly sweet.

Potted Plants, May delivery, \$1.50 per doz., \$8 per 100

Multi-Kind Fruit Trees

Here is a space-saving novelty that is highly practical. To produce these trees, from three to five different varieties have been budded onto one stem.

Each tree is growing in a wood tub to insure that it reaches you in perfect condition, and to enable us to make delivery at anytime of the year. You may keep it in its tub for two seasons to decorate your penthouse, roof-garden or porch, and at any time you may transfer it to your garden or plant it as a specimen on your lawn.

Quint-Apple. Five different kinds of apple, all on one tree.

Quint-Peach. Five different kinds of peach, all on one tree.

Apriplum-Peach. Three stone-fruits, all on one tree—peach, plum and apricot.

Tri-Pear. Three different kinds of pear, all on one tree.

Tri-Cherry. One sweet and two kinds of sour cherry, all on one tree.

Any of above, in tubs, \$4 each, \$40 per doz.

COLLECTION MK: One each of above 5 Multi-Kind Trees (value \$20), \$17.50

Trees are two years old, with a main stem 1/2 inch to 1 inch in diameter and should bear fruit the second to fourth season after delivery. When mature and in full bearing in later years, one tree will occupy a circle 15 to 20 feet in diameter, but will give a varied assortment that otherwise could be only obtained from three to five trees.





Amaryllis

AMARYLLIS

S. & W. Co.'s Giant Hybrids

For the conservatory, greenhouse, or window-garden. Our strain produces vigorous stems with from four to six blooms of perfect form and wonderful color combinations. Pot up the bulbs and water well; store in a cool, dark place for a month; then bring to the light. They may be had in bloom in 6 to 8 weeks.

Then set them outdoors in summer for the foliage to die; bring them indoors in November to start for the next season.

May also be grown in the open. Plant from mid-May on, and lift the bulbs in October.

Giant Hybrids, Separate Shades. Rose, Salmon, Red. \$1 each, \$9 for 10.

Giant Hybrids, Mixed Colors. Combination of above colors. 75 cts. each, \$6.50 for 10.

Lycoris squamigera (Amaryllis Halli). It is perfectly hardy and produces attractive green foliage in early spring, which later dies away. About two months later the flower-stalk appears, growing about 2 feet high and developing an umbel of large, lily-shaped, delicate pink flowers, shaded with clear blue. \$1.50 each, \$12.50 for 10.



Anemone, Excelsior

Flowering Bulbs and Roots

We supply 3 or more bulbs of a variety at the 10 rate, 25 at the 100 rate

BEGONIAS TUBEROUS-ROOTED

Splendid for shady borders or beds

Provide a pan or box, and cover the bottom with one inch of sphagnum moss, placing the bulb on top and covering with another layer of sphagnum moss. They should be kept moist and moderately warm. As soon as roots appear, plant in pots in a light soil, one inch below the surface, and water cautiously until the plant has shown growth, then increase the amount. Good drainage is essential. Or the bulbs may be planted outdoors 8 inches apart in the latitude of New York about the middle of May. We offer large bulbs 1½ inches and up.

These beautiful subjects are especially valuable for planting in moist shaded areas, where they do well.

Bulbs may be lifted in autumn, stored in a cool damp place over winter, for planting the following year.

Double Carnation-flowered

Blooms 5 to 6 inches across. Brilliant as the jewels of an Eastern potentate, these flowers may be grown with surprising ease. Merely plant the bulbs outdoors, from mid-May on, 8 inches apart and 3 inches deep. They grow well in the shade. You can get them to flower earlier in the summer if you plant them indoors in March or April and transplant into the open when warm weather arrives. See colored illustration on page 86 of this Catalogue of this beautiful new type of Tuberous-rooted Begonia.

Apricot	Pink	Yellow
Crimson	Scarlet	Mixed
	White	

Single Frilled and Ruffled

We offer this delightful new type which is superior to the plain-edged kind.

Apricot	Pink	Yellow
Crimson	Scarlet	Mixed
	White	

Double Camellia-flowered

An improved double strain which greatly resembles the camellia in form of flower.

Apricot	Pink	Yellow
Crimson	Scarlet	Mixed
	White	

Bulbs of any of the above three Begonias, 20 cts. each, \$1.60 for 10, \$15 per 100

Begonia, Fragrance

This is a new, fragrant, tuberous-rooted Begonia, distinct and pleasing. The 15-inch plant bears a large number of single blooms, held well above the foliage; their color is deep pink. An improved strain of *B. Baumanni*. 40 cts. each, \$3.50 for 10, \$30 per 100

Hardy Begonia, Evansiana

A perfectly Hardy Begonia which will live outdoors during the winter if protected with just a few leaves. Its showy pink flowers are borne with the greatest profusion during September and October. Height 2 to 2½ feet. 50 cts. each, \$4.60 for 10, \$40 per 100.

ACHIMENES

Bulbous greenhouse plants which may also be planted outdoors in a sheltered situation, lifting the bulbs in the autumn. The foot-high plants have tubular gloxinia-like blooms. **Purple. Lavender. White. White with Pink Eye.** Temporarily unavailable, on account of European war.

ANEMONE

Excelsior Mixture. The plants are taller in growth than the St. Brigid and more single. It contains many fine shades of blue, white, scarlet and crimson, in a well-balanced mixture. 60 cts. for 10, \$5 per 100.

CALADIUM ESCULENTUM

Elephant's Ear

Very frequently used as border plants about a residence, where their large, rich green leaves, often 4 feet long and 2½ feet wide, contrast with the colors of the dwelling. Plant outdoors about June 1.

	Each	10	100
Mammoth-size Bulbs...	\$0 20	\$1 70	\$15 00
Jumbo-size Bulbs.....	30	2 75	25 00

FANCY-LEAVED CALADIUMS

Few, if any, of the summer foliage plants equal the Fancy-leaved Caladiums in their rich and gorgeous, yet soft, coloring. All the varieties are of marvelous beauty for the furnishing of the conservatory during the summer months, or even for outdoor bedding in shady or semi-shady positions. Bulbs do best if started in pots, planting one bulb to a 6-inch pot. Plant and handle similar to indoor culture of tuberous-rooted begonias.

Ten Extra-Choice	Each	10	100
Named Varieties.....	\$0 35	\$3 25	\$30 00
Extra-Choice Mixture of			
Named Varieties.....	30	2 75	25 00



Fancy-leaved Caladium

Flowering Bulbs and Roots

We supply 3 or more bulbs of a variety at the 10 rate. 25 at the 100 rate

CALLAS (*Richardia*)

The variety offered below succeeds best when treated in the same manner as gladiolus. Plant in the open border when danger from frost is over, and Callas will flower during the summer. When the tops are killed by frost, dig and store as you would potatoes.

Golden Yellow (*Richardia Elliottiana*). This is the best of the Yellow Callas, its flowers being as large as the popular white winter-flowering variety, and of a rich, lustrous golden yellow of velvety texture; the foliage is dark green, with a number of translucent creamy white spots, which add much to its beauty. Strong bulbs, 35 cts. each, \$3 for 10, \$25 per 100.

CANNAS

Roots may be planted in 4- or 5-inch pots or shallow boxes in March or April and kept in a warm place to start them into growth. The started plants may be planted out about May 20 to June 10 in the vicinity of New York; earlier in the South and later in the North. They should be set about 2 feet apart. Dormant roots may be planted outdoors in May.

Ambassador. Flowers rich cherry-red. Rich bronze foliage and stalk. Height 4 feet.

City of Portland. Deep rich pink. Green foliage. Height 5 feet.

Eureka. The finest white variety. Green foliage. Height 4 feet.

King Humbert. Flowers of gigantic size, brilliant orange-scarlet, with bright red markings. Foliage bronze. Height 5 feet.

King Midas. Large flowers of a rich pure yellow. Green foliage. Height 4 feet.

Mrs. Alfred Conard. Large blooms of salmon-pink, with rich dark green foliage. Height 5 feet.

The President. Rich glowing scarlet, with immense flowers 7 inches across. Foliage a rich deep green. Height 5 feet.

Wintzer's Colossal. One of the largest-flowering Cannas. Blooms bright deep scarlet. Height 5 feet.

Wyoming. Large flowers of deep orange, with bronze foliage. Height 6 feet.

Yellow King Humbert. Flowers yellow, spotted red. Green foliage. 5 feet.

Selected roots, any of above, 15 cts. each, \$1.25 for 10, \$10 per 100



Cannas in border

CINNAMON VINE

Dioscorea Batatas

A beautiful, rapid-growing summer climber, with bright green, glossy foliage, and spikes of deliciously cinnamon-scented, white flowers. It is perfectly hardy, the stem dying down in winter, but growing with great rapidity in the spring, so as to cover any trellis or arbor very early in the season. Selected roots, 15 cts. each, \$1.25 for 10, \$9 per 100.

DICENTRA SPECTABILIS

Bleeding-Heart or Seal Flower

An old-fashioned favorite, with long racemes of graceful heart-shaped pink flowers that are always attractive. We offer only extra-strong clumps which will make fine specimen plants first year after planting. 50 cts. each, \$4.60 for 10, \$40 per 100.

GLOXINIA

This is, perhaps, one of the handsomest of summer-blooming, tuberous-rooted plants and should be grown more by the amateur than it has been. As a pot-plant for the window-garden it is excellent. The main points to observe are: proper care in watering, good drainage, and properly mixed soil. The cultural directions given for begonias might also be followed for starting and growing Gloxinias. One bulb is usually used for a 4-inch pot.

Sky Blue	Bright Red. Green foliage.
Deep Violet	Bright Red. Red foliage.
Dark Blue	Scarlet, White Band
Midnight Blue	Pure White
Pink	Spotted, Various Colors
Crimson	Choice Mixed

Any of above, 35 cts. each, \$3.25 for 10, \$30 per 100

HYACINTHUS CANDICANS

Luxuriant, free-growing summer-flowering plant; spreads 2 to 3 feet, with spikes 4 to 5 feet in height, each bearing twenty to thirty large, white, bell-shaped flowers. Choice bulbs, 15 cts. each, \$1.25 for 10, \$10 per 100.



Glory Lily

GLORY LILY

Gloriosa Rothschildiana

Tuberous-rooted greenhouse climber; or may be grown outdoors, provided the roots are lifted before frost. The truly remarkable waxy, lily-like flowers are 3 inches across and have prominent curved stamens; perianth is crimson, banded with gold and near-white at the center, reflexed and waved.

Easy to grow provided you start with good tubers; plant them in a sunny position, and water generously in dry weather. May be pinched to produce somewhat bushy yet trailing plants for an unusual flower-bed. \$1 each, \$9 for 10, \$75 per 100.



Gloxinia



Hyacinthus candicans

Flowering Bulbs and Roots

We supply 3 or more bulbs of a variety at the 10 rate, 25 at the 100 rate



Oxalis

ISMENE CALATHINA

Pancratium Lily; Peruvian Daffodil

A choice flowering bulb, blooming profusely during the summer. Clusters of large, strikingly fragrant, pearly white flowers. Bulbs should be planted out the middle of May; they will commence flowering in July. Before freezing weather sets in, they should be lifted and kept in a warm, dry place.

	Each	10	100
Mammoth bulbs	\$0 30	\$2 50
Jumbo bulbs	45 4 00	35 00

MADEIRA VINE

Climbing Mignonette. A vine which will cover a large space in a short time. Fleshy heart-shaped leaves, and racemes of feathery fragrant flowers. Protect with litter in winter. 15 cts. each, \$1.25 for 10, \$10 per 100.

MONTBRETIAS

This delightful bulbous plant blooms from July until frost and is excellent for cutting. Bulbs should be planted outdoors during April and May. They require a protection of leaves or litter if planted in a permanent location. We offer 4 distinct varieties of the newer Earham Hybrids.

Goldfinch. Bright golden yellow, with maroon blotches in the throat.

His Majesty. Very large, wide-open flower. Brilliant scarlet-yellow, center shading to scarlet.

Queen of Spain. Very large flowers of brilliant deep golden orange, reverse of petals golden apricot.

Una. Rich apricot, with carmine blotch; well-shaped flowers of splendid substance.

Any of above varieties, 25 cts. each, \$2 for 10, \$18 per 100

Four Fine Standard Varieties

California. Deep golden yellow.

Fire King. Glowing scarlet.

Talisman. Deep orange.

Transcendent. Orange-scarlet.

Any of the above, \$1 for 10, \$2 for 25, \$7.50 per 100

Mixed Large-flowering Varieties. \$1 for 10, \$7.50 per 100.

OXALIS

This excellent summer-blooming bulb is fine for edging the borders of walks or flowerbeds.

Deppei. Small; white.

Lasiandra. Rosy pink. Beautifully cut foliage.

Shamrock. Pink flowers. Clover-like foliage. 35 cts. for 10, \$2.25 per 100, \$20 per 1000

RANUNCULUS (*Buttercup*)

S. & W. Co.'s Tecolote Giant Mixed. Improved strain. The flowers are fully double, blended with giant semi-double. Our mixture consists of shades of orange, red, yellow, and pink. Plant bulbs during May; north of Washington they require a mulch for winter protection. 60 cts. for 10, \$5 per 100.

TIGRIDIA (*Mexican Shellflower*)

This grows well in the open ground in summer as far north as New England and gives a continuous display of gorgeous color from midsummer to frost. A writer in the *Ladies Home Journal* has this to say about it:

"This brilliant silken triangle unfolds from its long slender bud and bursts into sharply contrasting tints of fire, leaping from bright yellow to molten orange and vivid scarlets, and is eagerly sought as a rare but sturdy garden novelty."

CULTURE.—Give the bulbs the same treatment as gladiolus; that is, plant them 4 inches deep and at least 6 inches apart, any time after May 15. The plant thrives in a sunny situation but needs an abundance of water.

Our improved strain is a mixture including a wide range of colors—white with spotted cup, white with rose sheen, rose, yellow with suffusion of red, yellow with spotted cup, and brilliant scarlet. \$1 for 10, 100 bulbs \$7.50.



Montbretias



Tuberose, Excelsior Double Pearl

SCHIZOSTYLIS

Kafir Lily; Crimson Flag

Greenhouse plant, but pots may be plunged outdoors in summer for a fine bedding effect. Growing 2 feet high, it has iris-like flowers, 2 inches across and deep crimson in color. 40 cts. each, \$3.50 for 10, \$30 per 100.

TUBEROSES

Delightfully fragrant and beautiful. By skillful management a succession may be obtained the year round. For early flowers they can be started from February to April in the greenhouse or hotbed. For flowering in the open border, plant in May and June.

Excelsior Double Pearl. White; double-flowering. Jumbo Exhibition Bulbs, 10 cts. each, 90 cts. for 10, \$7 per 100.

Albino. A single white variety blooming in July or August. 15 cts. each, \$1.25 for 10, \$10 per 100.

VALLOTA

Scarborough Lily

Purpurea. A rare member of the Amaryllis family from South Africa bearing brilliant flowers of bright red. Not hardy, it should be potted up in the autumn after it has finished blooming and be carried over winter inside. Increases rapidly. Water sparingly. Selected bulbs, \$1 each, \$9.50 for 10, \$90 per 100.

ZEPHYRANTHES

These are very useful for the open border. They are easily managed, requiring the same treatment as the gladiolus, and can be planted at the same time, but more closely.

Rosea. Dark pink. 75 cts. for 10, \$6 per 100.

We offer a **COLLECTION** of 20 fine Gladiolus, 5 each of 4 varieties, for \$1, 40 bulbs, 4 varieties, for \$1.80, 100 bulbs, 4 varieties, for \$4.25. See color plate on page 85.

GLADIOLUS *The Cream of the World's Best Varieties*



Field of Gladiolus growing on our Farms. Here the Long Island soil produces Gladiolus bulbs of strong vitality.

CULTURE.—Any good garden soil will grow Gladiolus well, provided they are planted in a sunny location. Bulbs should be planted 4 inches deep and at least 6 inches apart; frequent cultivation with a hoe or a weeder, around the base of the plant, to prevent the soil from becoming hard and dry, is advisable. Where desired for garden decoration or exhibition, we advise plants being staked after attaining the height of one foot. (We offer light green dyed bamboo canes, which are excellent for this purpose.) Water copiously, and as the flower-buds begin to form, apply liquid manure for the best results.

Gladiolus may be planted at intervals for a succession of bloom, and those held for planting should be kept in a cool place. Patrons who plant late for September flowers may order their corms in the spring; we will keep them in cold storage and ship them when required, up to July 15, which, in the latitude of New York, is the latest advisable date to plant.

From planting-date, blooms appear in 10 to 11 weeks with early sorts, 12 to 13 weeks with midseason sorts, 14 weeks with late sorts

Eighty-four Fine Varieties Are Described Below

And to help you make your selection, we first list them under their respective colors

APRICOT, BUFF, CREAM

Apricot Glow
Duna
Miss New Zealand
Paradise
Wasaga

BLUE, LIGHT

Ave Maria
Blue Beauty
Blue Danube
Max Reger

BLUE, DARK—Aida

Blue Admiral
Pelegrina
Rudolph Serkin
Veichenblau

CREAM-WHITE

Joerg's White
Shirley Temple
PINK and SALMON
(With decided blotch)
Beacon
Frank J. McCoy
Mrs. Frank Pendleton

SALMON-PINK

Conquest
Gloriana
Halley
Mildred Louise
Mr. W. H. Phipps
Oregon State
Picardy
Salbach's Orchid
Token

ORANGE

Alice Tiplady
Betty Nuthall
Copper Bronze
La Fiesta
La Paloma
Louis d'Or
Orange Imperator
Orange Princess
Orange Queen
Salmon Emperor
Smiling Maestro

LAVENDER-PINK

King Arthur
Minuet

LIGHT PINK

Colossus
Coryphee
Debonair
Giant Nymph
Los Angeles
Mrs. P. W. Sisson
Mrs. T. E. Langford
New Era
Rosa van Lima

SCARLET

A-Flame
Dr. F. E. Bennett
Pfitzer's Triumph
Wurtembergia

RED—Bill Sowden

Commander Koehl
Flaming Meteor
Harlekin
Morocco (Dark)
Red Lory
Red Phipps
Rewi Fallu
Valeria

WHITE

Albatross
Maid of Orleans
Mammoth White
Margaret Beaton
Polar Ice
Star of Bethlehem
White Butterfly

PURPLE

Charles Dickens
Gertrude Swenson
Paul Pfitzer

YELLOW

Gate of Heaven
Loyalty
Primrose Princess
Souvenir
Yellow Emperor

ART SHADES—Bagdad

Marmora
Mother Machree
Vagabond Prince
Zuni

We supply 3 or more corms of a variety at the 10 rate, 25 at the 100 rate

A-Flame. *Scarlet.* Six or more enormous florets are open at one time. Brilliant orange-flame, deepening to begonia-rose. A valuable tall sort for exhibition. Midseason. 50 cts. for 10, \$4.50 per 100.

Aida. *Deep blue,* each floret having a lilac-red spot; they are large, 5 usually open at once, and about 3½ inches across. Early. 60 cts. for 10, \$5.50 per 100.

Albatross. *White,* without a trace of color, 6 to 8 florets open at a time. Strong-growing sort for exhibition. Early. 50 cts. for 10, \$4.50 per 100.

Alice Tiplady. *Orange.* Straight spikes with immense flowers; brilliant orange-salmon, and golden throat. Early. 50 cts. for 10, \$4 per 100.

Apricot Glow. *Apricot.* With 4 or 5 flowers open at once, wide and fairly large. Early. 50 cts. for 10, \$4 per 100.

Ave Maria. *Light blue.* Large flowers with small purple blotches. An exhibition sort. 55 cts. for 10, \$5 per 100.

Bagdad. *Art shade.* A midseason exhibition sort, unusual in color and size. The attractive smoky rose shade is deeper at the edges, with lighter throat. Individual flowers are 6 inches across. 50 cts. for 10, \$4 per 100.

Beacon. *Salmon-red.* The flower has a large cream blotch and is very large; it is slightly waved. A distinct and very fine variety. \$1.15 for 10, \$10 per 100.

Betty Nuthall. *Orange.* Light coral with pale orange throat. Flowers often 6 inches across, with 6 to 8 open at once. Midseason exhibition sort. 50 cts. for 10, \$4 per 100.

Bill Sowden. *Red.* Fine new variety, producing immense blooms of a rich deep shade of red. Splendid for exhibition. Midseason. 70 cts. for 10, \$6 per 100.

Blue Admiral. *Dark blue.* The tall, straight spikes carry many florets that open together. An excellent new midseason variety. 85 cts. for 10, \$7.50 per 100.

Blue Beauty. *Light blue.* A beautiful flower, with the margins of the petals tipped with violet. \$1.15 for 10, \$10 per 100.

Blue Danube. *Light blue.* Striking pure amethyst-blue, with contrasting blotch of dark blue. A fine tall-growing variety, with 6 to 8 florets open at once; excellent for room decoration. Midseason. 70 cts. for 10, \$6 per 100.

Charles Dickens. *Purple-violet.* Strong 5-foot spikes, bearing 10 to 12 large flowers, open at once. Exhibition sort. Late. 50 cts. for 10, \$4 per 100.

Colossus. *Pink.* A soft shade. Fine early sort with immense flowers. \$2.75 for 10, \$25 per 100.

GLADIOLUS

*The Cream of the World's
Best Varieties*

Commander Koehl. *Red.* Large, brilliant scarlet-blood flowers on a tall stem. Fine exhibition sort and one of the best reds. Late. 55 cts. for 10, \$5 per 100.

Conquest. *Salmon-pink.* Rather light color, and the flower is blotched with cream. Quite large and ruffled. \$2.25 for 10, \$20 per 100.

Coryphee. *Pink.* Produces 8 to 10 large, well-formed flowers of the purest pink. Midseason. 60 cts. for 10, \$5.50 per 100.

Debonair. *Pink,* throat marked with cream and lightly dusted with crimson, sometimes with a flaking of dark pink; 6 to 8 blooms open at once. A midseason exhibition sort. 50 cts. for 10, \$4 per 100.

Dr. F. E. Bennett. *Scarlet.* Immense blooms of deep fiery scarlet, overlaying peach-red; lip speckled ruby and white. Flowers are wide open and held on tall, stiff stems. A marvelous variety for exhibition. 50 cts. for 10, \$4 per 100.

Duna. *Buff.* A soft apricot hue, lightening to yellow at the base of the lip petals, with 5 to 6 large, wide florets open at once. An early variety. 50 cts. for 10, \$4 per 100.

Flaming Meteor. *Red.* A spectacular flaming color with florets of immense size. One of the finest for exhibition. Midseason. 85 cts. for 10, \$7.50 per 100.

Frank J. McCoy. *Blotched pink.* A pure rosy hue with a red spot on the lower petals. Long spike, with 6 to 8 large florets open at once. A fine, midseason exhibition sort. 55 cts. for 10, \$5 per 100.

Gate of Heaven. *Yellow.* One of the leading exhibition sorts in this color. Probably the deepest yellow in cultivation. Nicely formed spike; large, ruffled florets. Early. 55 cts. for 10, \$5 per 100.

Gertrude Swenson. *Mauve-lavender.* It has a white blotch on the lower petal. As many as 12 flowers open on the spike at one time. Fine Australian variety. \$1.75 for 10, \$15 per 100.

Giant Nymph. *Pink.* Light rose-pink, with creamy yellow throat; very large, wide-open flowers, on long stems. An exhibition sort. Midseason. 50 cts. for 10, \$4 per 100.

Gloriana. *Salmon-pink.* Fine, large, well-opened blooms of attractive salmon, shaded with gold; throat pure yellow. Midseason. 50 cts. for 10, \$4.50 per 100.

Golden Dream. Discarded for Loyalty.

Golden Goddess. Discarded for Yellow Emperor.

Halley. *Salmon-pink.* Very popular on account of its earliness. Beautiful salmon-pink, with creamy yellow blotch in throat. 50 cts. for 10, \$4 per 100.

Harlekin. *Blotched cherry-red.* The blotches and markings are golden yellow. New Primulinus type with a wonderful future as a florists' variety. \$2.75 for 10, \$25 per 100.

Joerg's White. *Cream-white.* The florets are pure white and they have a yellow spot on each lower petal, with faint carmine lines. Recommended for exhibition. Midseason. 55 cts. for 10, \$5 per 100.

King Arthur. *Lavender-pink.* Large, ruffled and fluted florets, penciled with darker markings. Exquisitely formed flower of fine appearance. A good sort for exhibition. Early. 55 cts. for 10, \$5 per 100.

La Fiesta. *Orange.* Unusually fine flower, graceful and of good shape. The color is pure and glistening. 85 cts. for 10, \$7.50 per 100.

La Paloma. *Orange.* An exceptionally large-flowered variety of pure, vivid orange. Early. 50 cts. for 10, \$4 per 100.

Los Angeles. *Pink.* Beautiful shrimp-pink, with glowing orange-carmine blotch in throat. Tall and graceful; blooms for a long time. Midseason. 50 cts. for 10, \$4 per 100.

Louis d'Or. *Orange-yellow.* Unusual and exceptionally fine shade, deep and pure. A fine new Primulinus variety. \$1.15 for 10, \$10 per 100.

Loyalty. *Yellow.* The flowers are large, many open at one time, and of a clear, pure shade of yellow, deeper in the throat. For exhibition purposes it is unrivaled. 60 cts. for 10, \$5.50 per 100.

Maid of Orleans. *White.* The pure white florets have cream throats. Because many perfect florets are in full bloom at once, it is excellent for exhibition. Midseason. 55 cts. for 10, \$5 per 100.

Mammoth White. *White.* One of the largest sorts, the florets often 7 inches across. Splendid for exhibition. Midseason. 55 cts. for 10, \$5 per 100.

Margaret Beaton. *White.* A wonderful exhibition sort, growing nearly 6 feet tall. On the perfect spikes as many as 8 to 10 large florets will be open at one time. They are snow-white, with a splash of vermilion in the throat. \$6.50 for 10, \$60 per 100.

Marmora. *Art shade;* lavender-gray with a light purple spot. Immense in size and fine for exhibition. Midseason. 50 cts. for 10, \$4 per 100.

Max Reger. *Blue.* High-growing, graceful sort, with 4 to 7 flowers in bloom at once; their color is a light blue-lavender, darker in the throat. \$1.15 for 10, \$10 per 100.

Mildred Louise. *Salmon-pink.* The lower petals are tipped strawberry-pink, with a yellow throat. Flowers are 5 to 6 inches across, triangular shaped and wide open. The stems are strong and flexible, carrying from 18 to 22 florets. This variety produces one of the finest spikes of bloom, combined with attractive color, and is recommended for exhibition. Midseason. 55 cts. for 10, \$5 per 100.

Minuet. *Lavender-pink.* Considered by many to be the last word in a light lavender Gladiolus. The blooms are of beautiful clear, light lavender, with 4 to 6 large, heavily textured blooms open at one time on a good, strong stem. A sort that is recommended for exhibition. Late. 55 cts. for 10, \$5 per 100.

Miss New Zealand. *Salmon-apricot,* suffused with rose, blotched with peach. Enormous new Australasian variety. \$1.75 for 10, \$15 per 100.

Morocco. *Red.* A deep, glistening color, almost blackish. A wonderful exhibition sort, with 6 to 8 florets open at one time on a fine spike. Midseason. 50 cts. for 10, \$4.50 per 100.

Mother Machree. *Art shade.* A smoky lavender overlaid with salmon-pink on the edges. Large flowers, 6 or more open at one time. A good show sort. Midseason. 50 cts. for 10, \$4.50 per 100.

Mr. W. H. Phipps. *Salmon-pink.* Huge flowers, perfectly placed on a tall stem, are clear La-France-pink, overlaid with glowing salmon-rose, frequently speckled with ruby, 15 to 20 open at once. Good exhibition sort. Late. 50 cts. for 10, \$4.50 per 100.

Mrs. Frank Pendleton. *Pink and salmon.* Salmon-pink which extends to reverse side of the petals as well as in the center, with a rich, deep maroon blotch on the three lower petals. Midseason. 50 cts. for 10, \$4 per 100.

Mrs. P. W. Sisson. *Pink.* The color of this variety is a most pleasing shade of pure cameo-pink, unmarked with any other color. Stems are strong and sturdy while the beautiful ruffled flowers are of good size. Exhibition sort. Midseason. 50 cts. for 10, \$4 per 100.

Mrs. T. E. Langford. *Pink.* Tall and vigorous variety of attractive apple-blossom-pink, flaked canary-yellow in the throat. As many as 10 florets open at one time; excellent variety for exhibition. Late. 75 cts. for 10, \$6.50 per 100.

New Era. *Pink.* Wonderful new ruffled sort, the color suggestive of La France rose. Ten flowers open at one time. Excellent tall variety. \$2.75 for 10, \$25 per 100.

Orange Emperor. *Orange.* The large florets have excellent substance. A fine early variety. 85 cts. for 10, \$7.50 per 100.

Orange Princess. *Orange.* A pure salmon-orange tint with a lighter hue in the throat. Slightly ruffled. Fine exhibition sort. Early. 75 cts. for 10, \$6.50 per 100.

Orange Queen. *Orange.* Purest apricot-orange of a very warm tint; deeper at the edges of the petals; large, open flowers on a good stem. One of the best Primulinus for showing. Early. 50 cts. for 10, \$4 per 100.

Oregon State. *Pink.* The best in this color. Lighter than Picardy and it has a cream-colored throat instead of a darker blotch. New, and outstanding in every way. \$2.75 for 10, \$25 per 100.

Paradise. *Apricot.* Clear light apricot-buff. Tall, straight spikes; perfect placement. A wonderful exhibition variety. 75 cts. for 10, \$6.50 per 100.

Paul Pfitzer. *Purple.* Fine reddish purple, many florets opening at once on a vigorous stem. Midseason. 75c. for 10, \$6.50 per 100.

Pelegrina. *Dark blue.* This variety was imported by us from Europe several years ago. It is one of the finest dark blue-violet varieties ever introduced, with large individual florets. Early. 55 cts. for 10, \$5 per 100.

Pfitzer's Triumph. *Scarlet.* One of the largest and finest Gladiolus. The blooms are at least 6 inches across, bright orange-red, with small velvety red blotches. The color and remarkable size make this a fine exhibition sort. Late. 50 cts. for 10, \$4.50 per 100.

Picardy. *Salmon-pink.* Evokes widespread enthusiasm wherever seen. The individual flowers are delicate apricot-pink, extremely large, somewhat ruffled, and of heavy, wax-like substance. We recommend it highly for both garden and exhibition purposes. Midseason. 50 cts. for 10, \$4 per 100.

Polar Ice. *White.* Fine exhibition variety with large flowers, many of which are open at the same time. Vigorous and early sort. 55 cts. for 10, \$5 per 100.

Primrose Princess. *Yellow.* Bright primrose; the lower petals are amber, with carmine markings in the throat. Well-placed florets on strong spikes. Midseason. 70 cts. for 10, \$6 per 100.

GLADIOLUS *The Cream of the World's Best Varieties*

Red Lory. *Red.* Carmine-rose with large red spots. Large florets, nearly all of which are open at once. An exhibition sort. Midseason. 55 cts. for 10, \$5 per 100.

Red Phipps. *Red.* Rich and glowing. The free-flowering habit and strong growth of this variety have made it a general favorite. Eight flowers open at once. An exhibition kind. Midseason. 50c. for 10, \$4.50 per 100.

Rewi Fallu. *Dark red.* Very brilliant, large, and highly ruffled flowers, 6 to 8 open at a time. We consider this the finest blood-red Gladiolus available. \$1.40 for 10, \$12.50 per 100.

Rosa van Lima. *Light pink.* Pure self-colored light pink, with many flowers open at one time on fine strong, straight stems. \$1.15 for 10, \$10 per 100.

Rudolph Serkin. *Dark blue.* Finest pure pansy shade, with very large flowers. \$2.75 for 10, \$25 per 100.

Salbach's Orchid. *Salmon-pink.* Clear Cattleya-orchid with rose throat-markings. Flowers well placed on tall, stately stems. Excellent substance which stands the hottest sun. 55 cts. for 10, \$5 per 100.

Salmon Emperor. *Orange.* Deeper blotch in the throat. Large, slightly ruffled flowers. Midseason. 85 cts. for 10, \$7.50 per 100.

Shirley Temple. *White* with cream throat; the flowers are of wonderful substance, large, and beautifully ruffled. You may expect as many as 12 open at one time. 75 cts. for 10, \$6.50 per 100.

Smiling Maestro. *Salmon-orange.* Rich salmon-orange—a very pleasing color. Very large flowers measuring 6 to 8 inches across. Splendid exhibition variety with frequently 10 to 12 flowers open at a time. 75 cts. for 10, \$6.50 per 100.

Souvenir. *Yellow.* Of the many shades and tints in the beautiful Primulinus type we consider Souvenir the best pure yellow. Flowers graceful and somewhat small. 50 cts. for 10, \$4 per 100.

Star of Bethlehem. *White,* with a touch of crimson on the lower petals. Tall, slender spike with 6 to 8 immense florets open at one time. Exhibition sort. Early. 70 cts. for 10, \$6 per 100.

LILY-OF-THE-VALLEY

For Outdoor Planting

We recommend the use of individual roots or "Pips," rather than clumps for planting a Lily-of-the-Valley bed. They should be two years old, and may be set out at intervals of 4 inches each way. This method will produce a better bed than by using the old-time clump. We offer for this purpose pips of smaller size than those used for growing Lily-of-the-Valley indoors and at attractive prices. 10 pips 50 cts., 25 pips \$1.15, 500 pips \$4, 500 pips \$17.50.

For Greenhouse Growing

Retarded Pips

In judging the price of our Lily-of-the-Valley, please remember that the best is the cheapest. Our Valley is positively among the best. Is bought at open prices, with instructions for a selection of the best-developed pips. Our long experience and large importations have commanded this extra selection. For growing indoors these pips are the best that can be planted. 25 pips \$2.50, 100 pips \$9, 250 pips \$21, 500 pips \$40, 1000 pips \$75.

Token. *Salmon.* Frequently grows 5 feet tall, and is splendid for exhibition. Usually has 16 to 18 flowers to a spike and they are 4½ inches across. Color is a flaming salmon with a golden throat. 70 cts. for 10, \$6 per 100.

Vagabond Prince. *Art shade.* The florets are a shining reddish brown color, and on the lower petals there is a splash of vermilion. An interesting color combination, and a fine sort. 85 cts. for 10, \$7.50 per 100.

Valeria. *Light red.* A fine self color, with many flowers open at once; extra good. It keeps well and its color stands. \$3.75 for 10, \$35 per 100.

Veilchenblau. *Dark blue.* Fine violet-blue with pansy-purple blotches. Effect is that of a velvety sheen. Superior to Baron Hulot, which we have now discarded. Early. 60 cts. for 10, \$5.50 per 100.

Wasaga. *Buff.* Clear golden buff throughout, without a trace of any other color. Petals are somewhat ruffled, and carried gracefully on strong stems. Midseason. 50 cts. for 10, \$4 per 100.

White Butterfly. *White,* with a soft, creamy white throat. A slender stem bears somewhat small flowers, ideal for cut-flower work. 70 cts. for 10, \$6 per 100.

Wurtembergia. *Scarlet;* fiery, with cream blotch. A great favorite wherever shown; one of the finest scarlet Gladiolus grown. 60 cts. for 10, \$5.50 per 100.

Yellow Emperor. *Yellow.* A very fine new variety. The florets are self-colored, and about the same hue as King Alfred daffodil; they are well placed on handsome spikes. 70 cts. for 10, \$6 per 100.

Zuni. *Smoky salmon-purple.* A richly colored salmon and slate, with a suffusion of purple. Enormous flowers, as many as 10 being open at one time. Tall. \$2.75 for 10, \$25 per 100.

American Hybrids Mixed

We include a splendid variety of named sorts. The mixture has a popular price to encourage liberal planting. They are well matured and good growers; excellent for cut-flower purposes or for planting in mixed borders. 50 cts. per doz., \$3.50 per 100.



Lily-of-the-Valley

Lily-of-the-Valley is one answer to the question
What shall we plant in the shady corner?

GLADIOLUS THRIPS

A destructive insect of microscopic size causing a silvered appearance on the foliage, drying of the flower-buds, and a general blighting of the plant.

Gladiolus corms obtained from us are free of Thrips. Skilled gardeners, however, adopt precautionary measures after they receive their corms. We recommend:

Before Planting

1. Remove the skins, so that "bare" corms are planted. Do not injure the growing tips when doing this. Burn the skins.

2. Stir 2½ ounces of Semesan in one gallon of water. Immerse the corms in the liquid for seven hours; dry and plant.

During Growth

3. Spray with Sawco Thrip Spray. Dissolve one pound in 10 gallons of water and apply every two weeks. Kills Thrips and Thrips' eggs even when secreted in the leaf sheaths.

When Bulbs Are Lifted

4. In autumn, cut off the tops from the lifted corms and burn them. Place the corms in a low, but not freezing, temperature to cure for six weeks.

5. Place in boxes covered with paper, for one month, first dusting through them one pound of Thripco to each 1000 corms; or use Naphthalene Flakes at the rate of one ounce per 100 corms, or one-half pound per 1000 corms. Avoid containers with close-fitting lids, because ventilation is necessary.

6. At the end of the month, shake out the Thripco or Naphthalene Flakes, and store the treated corms in the usual way.

NOTE.—Semesan is a poison; use care.

COLD STORAGE

We carry the following bulbs in cold storage for planting in your greenhouse in the summer for winter blooming, or outdoors for end-of-summer effect.

The application of low temperatures for extended periods has the effect of developing larger flowers in many cases.

Retarded Lilies Per case of 50 bulbs

Auratum platyphyllum	\$30 00
Longiflorum Erabu	30 00
Giganteum	30 00
Henryi	25 00
Speciosum album	25 00
Speciosum magnificum	25 00
Tigrinum	25 00

Case of Lilies contains 50 bulbs.

Retarded Spiræa Per doz.

Gloria superba. Deep pink.....	\$15 00
Queen Alexandra. Light pink.....	12 50
Deutschland. White.....	15 00

Case of Spiræas contains 12 clumps.

Gladiolus for September Blooming

Many of our patrons desire Gladiolus Bulbs for September blooming. In the neighborhood of New York they should be planted July 1. Order your Bulbs in April. We reserve them and place them in our Cold Storage Warehouse.



HARDY LILIES

The Lilies offered below are among the best for spring planting. For a more extensive list, we refer to our Fall Bulb Catalogue, issued in August. Our list is confined to those varieties we know, from actual trials, do well, and the following varieties will prove satisfactory if planted by June 1.

Lilies do best in the hardy border or among shrubbery, for the reason that the flowering stems bear masses of roots immediately below the ground surface, and the shady situation helps these roots to better feed the plant; when through

flowering, these roots help in the rehabilitation of the bulbs for another season. Any good garden soil with good drainage will do. In planting, cover bulbs at least twice their diameter except several varieties for which we recommend shallow planting, and, if possible, spread 1 inch of sharp builders' sand under the base, so that after the bulbs make basal roots the sand will provide drainage if water-logged in winter. When hard frost sets in, cover with 4 to 6 inches of leaves or litter which should be removed when spring arrives.

Auratum. The Golden-rayed Lily of Japan. White flowers, studded with reddish brown spots, while through the center of each petal runs a golden band. Fully expanded, the flowers measure nearly a foot across, are produced abundantly from July to September, and are fragrant. 3 to 5 feet. Plant deep. Each 10 100

8 to 9-in. bulbs... \$0 25 \$2 25 \$20 00
11 to 13-in. bulbs... 45 4 00 35 00

Auratum platyphyllum. The tallest and largest of the Auratums, with broader, darker leaves and larger flowers similar to Auratum, but lacks the spots, leaving a pure white bloom with a yellow band.

Each 10 100
8 to 9-in. bulbs... \$0 40 \$3 50 \$30 00
11 to 13-in. bulbs... 55 5 00 45 00

Batemannia. Batemann Lily. Erect, chalice-shaped flowers of rich apricot color produced in July. It grows 3 to 4 feet high, with the flowers held upright on the top, and enjoys ordinary garden soil in full sunlight, with a ground-cover. Stem-rooting, but need not be planted so deep as most. 35 cts. each, \$3 for 10, \$25 per 100.

Canadense. Red Lily of the fields. In July, its tall stems, 3 to 8 feet high, bear great sprays of nodding, bell-like, bright orange-crimson flowers dotted with maroon. 25 cts. each, \$2.25 for 10, \$20 per 100.

Elegans, Alice Wilson. Erect, dwarf plant, 1 to 2 feet high, with upright flowers of bright lemon-yellow, very bright and showy in June. Plant 5 to 6 inches deep in slightly acid light soil in full sun. Good for naturalizing or rock-gardens. 25 cts. each; \$2.25 for 10, \$20 per 100.

Elegans atrosanguineum. Similar to Alice Wilson in habit, but the flowers are dark blood-red with purple dots. 25 cts. each, \$2.25 for 10, \$20 per 100.

Hansonii. Hanson's Lily. Fragrant, nodding flowers of pale yellow-orange, with thick, waxy, recurved petals, in clusters above whorls of leaves on 2 to 4-foot stems. Likes shade, moist soil and blooms early in June. Plant fairly deep. 35 cts. each, \$3 for 10, \$25 per 100.

Henryi. Grows 8 feet high, and likes to root among shrubs, sending its stems up into the light where its bright apricot-yellow flowers show their best. Ordinary soil suits it, and moderately deep planting. Blooms in July and August. Strong bulbs, 35 cts. each, \$3 for 10, \$25 per 100.

Humboldt magnificum. A strong-stemmed Lily 4 to 6 feet high, with brilliant orange-yellow flowers, spotted purple. Differs from Humboldtii in that the spots are ringed with crimson, the foliage is darker, and it is a much stronger grower. Blooms June and July. Base-rooting; plant 6 inches deep in heavy loam with little or no humus. Thrives in full sun or light shade. 70 cts. each, \$6.50 for 10, \$60 per 100.

Krameri (L. japonicum). A lovely, big, pink Lily of true trumpet form, carried on a 3-foot stem. It likes good, rich, peaty soil, with plenty of moisture and good drainage. Blooms in late July. Plant deep. 35 cts. each, \$3 for 10, \$25 per 100.

Pardalinum giganteum. Sunset Lily; Giant Panther Lily. Not only the most spectacular of American Lilies but stands well up in the front rank of the world's finest Lilies. Brilliant orange-red on the reflexed portion of the segments, the faces of the magnificent "turk's caps" are rich yellow closely dotted with brown spots. The flowers are borne in clusters up to ten on strong 5 to 8-foot canes which are clothed with whorls of pleasing foliage. Easy to grow, succeeding in sun or partial shade. Blooms in July. Plant about 8 inches deep. 35 cts. each, \$3 for 10, \$25 per 100.

Philadelphicum. Wood Lily. A wild Lily thriving in dry, sandy places with partial shade. The stalks are 1 to 2 feet high, with dark red, erect cup-shaped flowers in July. Plant 5 inches deep. 30 cts. each, \$2.50 for 10, \$20 per 100.

Regale. A regal beauty. The flowers are white, slightly suffused with pink, with a beautiful shade of canary-yellow at the center, blending out part way up the trumpet. The fragrance is similar to jasmine. A splendid hardy Lily for the garden, flowering about July 1. Easy to grow, thriving under ordinary garden conditions and improves year by year. Dependable.

First-size bulbs, 6 to	Each	10	100
7 in. circum.....	\$0 15	\$1 40	\$12 00
Mammoth bulbs, 7 to			
8 in. circum.....	25	2 25	18 00
Jumbo bulbs, 8 to			
9 in. circum.....	30	2 80	25 00
Monster bulbs, 9 to			
10 in. circum.....	40	3 80	35 00

Rubellum. A smaller form of *L. Krameri*, which it resembles, but is much more dependable. It blooms in July and requires the same treatment. 40 cts. each, \$3.50 for 10, \$30 per 100.

Speciosum album. The White Speciosum which is usually grown with Magnificum and Auratum, is a very dainty Lily. Flowers outside in the border or among rhododendrons at the same time as Auratum and Magnificum. Each 10 100

7 to 8-in. bulbs... \$0 35 \$3 00 \$25 00
8 to 9-in. bulbs... 45 4 00 35 00

Speciosum magnificum. Oriental Orchids. Words cannot describe the beauty of this variety. Frosted white, spotted, clouded and bordered with deep pinkish crimson. A much superior variety to the Roseum, Rubrum, or Melpomene of the Speciosum type. For the border, among hardy plants or naturalized among rhododendrons, this is an equal favorite with the handsome *Lilium auratum* offered above. Blooms outside during August. Each 10 100

8 to 9-in. bulbs... \$0 25 \$2 25 \$20 00
11 to 13-in. bulbs... 45 4 00 35 00

Superbum. The Turk's-Cap Lily. Considered the handsomest American Lily. It grows 5 to 8 feet high, with an immense, pyramidal cluster of brilliant orange-red, turban-shaped flowers, yellowish inside and spotted brown. It likes to be planted deep in moist, well-drained soil. 30 cts. each, \$2.50 for 10, \$20 per 100.

Tenuifolium. Coral Lily. A dwarf, very graceful Lily, with thread-like leaves and clusters of nodding, tiny, bell-like, recurved flowers of brilliant coral-red in June. Likes damp soil among rocks, with access to sunlight above. Plant 6 inches deep. 15 cts. each, \$1.30 for 10, \$12 per 100.

Tigrinum splendens. The Tiger Lily is well known, with its showy, spotted red-orange flowers in wayside gardens in August and later. Very easy to grow, thriving in full sun in any soil. Plant shallow. 25 cts. each, \$2 for 10, \$18 per 100.

Tigrinum flore-pleno. The double Tiger Lily is even showier and more handsome in a way than the original. It blooms later and requires the same treatment. 25 cts. each, \$2 for 10, \$18 per 100.

We supply 3 or more bulbs of a variety at the 10 rate, 25 at the 100 rate.

Three Glorious . . . LILIES

COLLECTIONS OF LILIES

3 bulbs, 1 each of 3 kinds.....	\$0 75
15 bulbs, 5 each of 3 kinds.....	3 00
30 bulbs, 10 each of 3 kinds.....	5 00
75 bulbs, 25 each of 3 kinds.....	14 00



LILIUM HENRYI
Selected bulbs, 35 cts. each,
\$3 for 10, \$25 per 100
At its best in July and August.



LILIUM REGALE. The Royal Lily
Selected bulbs, 15 cts. each, \$1.40 for 10, \$12 per 100.
The fragrant blooms open around July 1



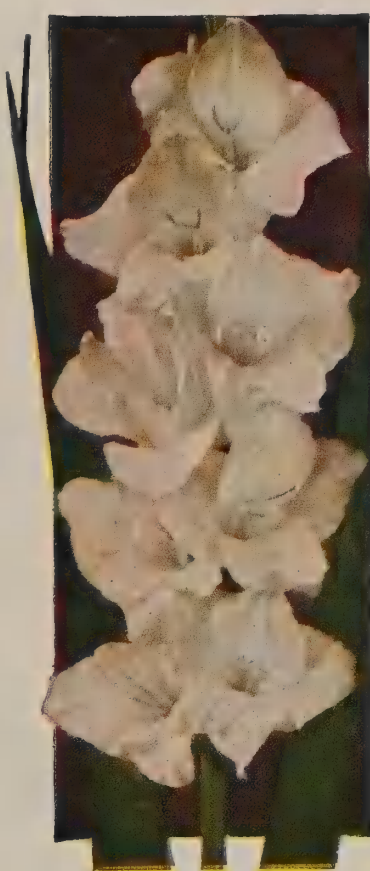
SUNSET LILY. *Lilium pardalinum giganteum*
Selected bulbs, 35 cts. each, \$3 for 10,
\$25 per 100.
In gorgeous full bloom during July.

FOUR FINE GLADIOLUS

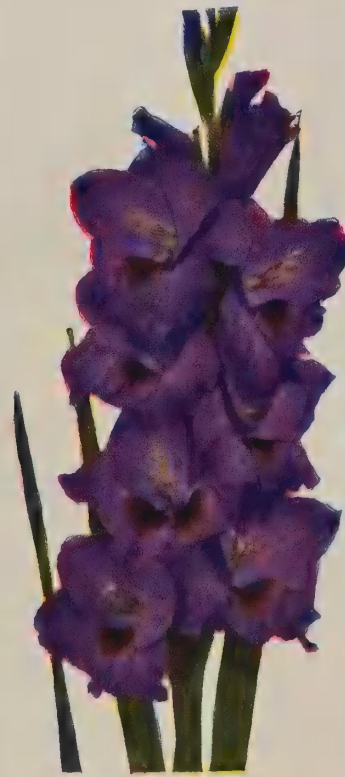
*Including the best... Red, White
and Blue Varieties*



COMMANDER KOEHL*
55 cts. for 10, \$5 per 100



MAID OF ORLEANS*
55 cts. for 10, \$5 per 100



PELEGRINA*
55 cts. for 10, \$5 per 100



PICARDY
50 cts. for 10, \$4 per 100

COLLECTIONS OF GLADIOLUS

PATRIOTIC COLLECTION: Above red, white and blue sorts.

15 bulbs, 5 each of 3 varieties marked *	\$0 80
30 bulbs, 10 each of 3 varieties marked *	1 50
75 bulbs, 25 each of 3 varieties marked *	3 50

BIG FOUR COLLECTION: All four fine Gladiolus are represented.

20 bulbs, 5 each of 4 varieties.....	\$1 00
40 bulbs, 10 each of 4 varieties.....	1 80
100 bulbs, 25 each of 4 varieties.....	4 25

FIVE FINE... POMPON DAHLIAS

Carnation-Flowered BEGONIAS

Blooms 5 to 6 inches across

Plant outdoors, from mid-May on, 8 inches apart and 3 inches deep. They grow well in the shade. You can get them to flower earlier in summer if you plant them indoors in March or April and transplant into the open when warm weather arrives.

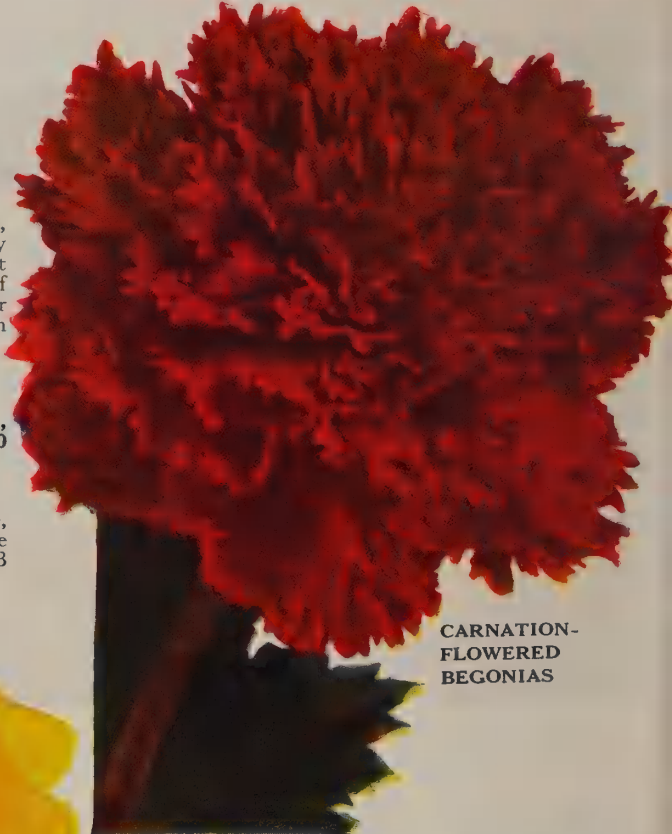
White Crimson (Illus.) Scarlet
Pink Yellow Apricot
Any of the above, 20 cts. each,
\$1.10 for 6, \$1.60 for 10, \$15 per 100

CALLA LILY

Golden Yellow. Dark green foliage, spotted with white. Flowers are rich, velvety gold. 35 cts. each, \$3 for 10, \$25 per 100.



CALLA LILY



CARNATION-
FLOWERED
BEGONIAS

FIVE FINE... Pompon Dahlias

Miniature forms of the Show Dahlia. The plants produce an abundance of neat, showy flowers which are invaluable for table decoration. Illustrated at left.

1. **Golden Beauty.** Bright yellow.
 2. **Red Gem.** Deep red.
 3. **Mary Munns.** Deep lavender.
 4. **Snowbird.** Pure white.
 5. **Little Belle.** Dainty pink.
- Any of above, 25 cts. each, \$2.25 for 10

COLLECTION OFFER No. 94C :
One root each, 5 varieties,
(value \$1.25) for **95 cts.**



TIGRIDIA (Mexican Shellflower)

Curious and beautiful spotted flowers of various colors: white, rose, yellow, orange, and red. Known also as the "Tiger Flower." Treat as you would gladiolus, except that you give an abundance of water; plant in a sunny place.

**Splendid mixture, \$1 for 10,
\$7.50 per 100 bulbs**



Dahlia, Mrs. I. de Ver Warner
(See page 88)



Dahlia, Golden Standard
(See below)



Dahlia, Arelda Lloyd
(See below)



Dahlia, Ambassador
(See below)

DAHLIAS FOR EXHIBITION

Decorative and Cactus Sorts

This list includes only those that we consider worthy of a place in every garden; it represents the cream of the finest varieties that have been developed to date. Many are proven prize-winners.

Initials immediately following each name indicate the class to which the Dahlia belongs, thus:

F.D.—Formal Decorative Dahlias. Fully double flowers, floral rays generally

broad, either pointed or rounded at tips, with outer floral rays tending to be cupped; all floral rays somewhat regular.

I.D.—Informal Decorative Dahlias. Double flowers, rays generally long, twisted, pointed; usually irregular in arrangement.

Semi-C.—Semi-Cactus Dahlias. Fully double flowers with the margins of the majority of the floral rays revolute for less than one-half of their length.

I.C.—Incurved Cactus Dahlias. Fully double flowers with the margins of the majority of the floral rays revolute for one-half or more of their length, the floral rays tending to curve toward the center of the flower.

C.—Recurved or Straight Cactus Dahlias. Fully double flowers with the margins of the majority of the floral rays revolute for one-half of their length or more, the floral rays being recurved or straight.

AMBASSADOR. C. An outstanding Dahlia at many of the Dahlia exhibitions, and considered by many as being one of the best and most artistic of recent Dahlia introductions. Its color is, perhaps, best described as a soft yellow at the center, with salmon, amber, and pink shadings, gradually deepening towards the tips. The flowers are of largest size and are set just right on perfect stems. A strong grower and free bloomer. 75 cts. each, \$6.75 for 10.

ANN BENEDICT. I.D. This variety is the most satisfactory dark red we have grown. The color is a deep rich garnet with black shadings. Certified at Storrs with high score of 86.6. 50 cts. each, \$4.50 for 10.

ARELDA LLOYD. I.D. Sport of the great Jane Cowl, with all its good points. Very fine yellow with slightly veined pink petals. Flowers of giant size. Very fine. 50 cts. each, \$4.50 for 10.

AVALON. F.D. A fine Dahlia of deep canary-yellow on long, erect stems. Very prolific. Can be used as a cut-flower or garden variety. 25 cts. each, \$2.25 for 10.

BAY SHORE BEAUTY. F.D. New. A sport of Jersey's Beauty, of the same robust growth and free-flowering habit. The color is a soft, beautiful shade of orchid-lavender. 35 cts. each, \$3.15 for 10.

BETTY ZANE. I.D. Bright, luscious eosine-pink. The 12-inch flowers are produced freely on perfect stems. A wonderful exhibition sort. 75 cts. each, \$6.75 for 10.

BLUE BIRD. I.D. A fine garden variety. Large flowers of beautiful form and unusual and attractive color. Blooms freely. The nearest to blue of any Dahlia. 50 cts. each, \$4.50 for 10.

BOB WHITE. F.D. Pure white, giant flowers, full and deep, borne on long cane stems that hold them absolutely upright. Good clean grower; insect-proof. This wonderful creation will be a sensation. We have never seen a white bloom so freely. 50 cts. each, \$4.50 for 10.

BRONZE KNIGHT. F.D. New. A giant Dahlia of chrome-orange, flushed grenadine-red, the general tone being brilliant orange. An exceptionally robust grower carrying the giant flowers on long, splendid stems. 50 cts. each, \$4.50 for 10.

CALIFORNIA IDOL. I.D. An outstanding giant, and a prize-winner from coast to coast. Clear, bright, glistening yellow. Has everything a really great Dahlia should have. Vigorous, healthy grower and good bloomer. 50 cts. each, \$4.50 for 10.

CARL G. DAHL. I.D. Of tremendous size, and a great prize-winner as the largest Dahlia. Apricot-buff, shaded old-rose. \$1.50 each, \$13.50 for 10.

CAVALCADE. F.D. A wonderful garden Dahlia of fine form; exceptionally free flowering. Beautiful shade of mulberry-pink. 40 cts. each, \$3.60 for 10.

COUNTESS OF LONSDALE. C. Old-rose-red, slightly shading salmon. Low-growing, free-flowering plant covered with finely formed, 4-inch blooms the entire season. This can be classed as a Miniature Cactus. Fine for border or bedding. Desirable for cutting. 35 cts. each, \$3.15 for 10.

CRIMSON KING. F.D. Brilliant deep crimson, like a Jack Rose in color. Finely formed flower and a free bloomer. 50 cts. each, \$4.50 for 10.

ELIZABETH POTTER. F.D. A massive, full flower measuring 8 to 12 inches in diameter and 4 to 6 inches in depth, of a deep rose-pink suffused with yellow. A vigorous, free-flowering, and long, strong-stemmed variety of easy culture. Splendid for cutting or exhibition. Special awards given as a seedling when exhibited at Glen Cove, Oyster Bay, and Westbury, Long Island. 75 cts. each, \$6.75 for 10.

ELK RIDGE. Semi-C. This large, pure white variety is of fine form and great substance. It flowers very freely on long, strong stems. Has won many prizes. 50 cts. each, \$4.50 for 10.

EVERYBODY'S FAVORITE. I.D. Clear light rose-pink. Flowers can easily be grown 12 inches across. A medal winner. \$5 each, \$45 for 10.

FIRENZE. F.D. True scarlet of fiery tones. Very large flowers on long stems. A ball-shaped formal. Very striking. \$1 each, \$9 for 10.

FOREST FIRE. I.D. Lemon-yellow, shading to rich scarlet tips. Strong grower. 50 cts. each, \$4.50 for 10.

FRANCIS LAROCCH. F.D. Finest large, pure yellow. Vigorous grower and profuse bloomer. 25 cts. each, \$2.25 for 10.

GLAMOUR. I.D. A real giant Dahlia. True purple, edged amaranth-pink; very distinct. Strong, rugged grower. An achievement medal-winner. \$5 each, \$45 for 10.

GOLDEN STANDARD. C. Splendid 9-inch flower of Cactus form. A great prize-winner. Strong, thrifty grower and free bloomer. A pleasing golden fawn shade with a darker center. 75 cts. each, \$6.75 for 10.

DECORATIVE AND CACTUS DAHLIAS, continued

GREATER GLORY. Semi-C. Immense artistic blooms of deep rose-pink, shading to creamy white center. Flowers held proudly aloft on very long stems. \$2 each, \$18 for 10.

HUNT'S VELVET WONDER. I.D. Deep burgundy-red flowers up to 15 inches across. Roll of Honor and Award of Merit. 50 cts. each, \$4.50 for 10.

JANE COWL. I.D. Deep, massive blooms of a bronzy buff and old-gold, blending darker toward the perfect center. A stem of unusual strength holds this giant Decorative over an ideal plant, while the foliage is the leathery kind that insects seldom injure. 30 cts. each, \$2.70 for 10.

JEAN TRIMBEE. Semi-C. Massive and beautiful petunia-violet. Great favorite, and a prize-winner at exhibitions. 50 cts. each, \$4.50 for 10.

JERSEY'S BEACON. F.D. This fine novelty is Chinese-scarlet, paler on the reverse, giving a two-toned effect. It is a great favorite and a real "beacon of the garden." Large; free bloomer; vigorous grower. 25 cts. each, \$2.25 for 10.

JERSEY'S BEAUTY. F.D. This is, without a doubt, one of the finest true pink Decorative Dahlias yet introduced. 25 cts. each, \$2.25 for 10.

JERSEY'S DAINTY. S.C. A Dahlia that will not only win on the exhibition table but is good for cutting. White, faintly tinged lavender. A prolific bloomer with long, straight stems. 35 cts. each, \$3.15 for 10.

JERSEY'S TRIUMPH. F.D. One of the real autumn shades—bright copper flushed with salmon-bronze; large flowers. In habit the same as Jersey's Beauty, coming from the same parents. Won the highest award in Holland, 1931. 25 cts. each, \$2.25 for 10.

JOYCE LOUISE. I.D. A fine exhibition variety, and one of the largest in cultivation. The flower attains a diameter of 14½ inches when given high culture, and is a beautiful pink, shaded lavender. Very floriferous, holding its size throughout the season. It has won two firsts at Valley Stream, L. I., first prize and American Home Medal at St. Louis. Averaging 5 feet in height, the flower is indeed remarkable. \$2 each, \$18 for 10.

KATHLEEN NORRIS. I.D. A bloom of massive proportions, with broad, overlapping petals having twisted ends. Color, a true rose-pink, deepening to mallow-pink. Great blooms on perfect stems. 50 cts. each, \$4.50 for 10.

KATIE K. I.D. *New.* Giant flower of rose-pink. Prolific bloomer. A winner and certificate at Storrs. \$1.50 each, \$13.50 for 10.

KEMP'S FORT MONMOUTH. I.D. One of the giants of the Dahlia world. In color it is a rich crimson-maroon, with a faint tint of bluish violet at tips of petals. An immense flower, frequently 13 inches in diameter, and borne on long, strong stems, well above the foliage. Excellent Dahlia for exhibition. 50 cts. each, \$4.50 for 10.

KENTUCKY. F.D. A sport of Jersey's Beauty, having the same good qualities. Color is a wonderfully brilliant light salmon-orange, shading to orange-yellow at base of petals, deepening to grenadine-pink on the reverse of petals. Long, strong stems. 25 cts. each, \$2.25 for 10.

KISS ME. F.D. Bicolor, scarlet-red and white. A fine, clean-growing, free-flowering garden and cut-flower variety of dazzling brilliance. 50 cts. each, \$4.50 for 10.

LORD OF AUTUMN. I.D. This beautiful giant yellow has won awards given for the largest and best flower all over this country and Canada. One of the really great Dahlias. \$1 each, \$9 for 10.

MABEL HESS. F.D. A gorgeous formal variety which has been winning prizes every year since 1933. Not the largest Dahlia, but will grow to 10½ inches. The coloring is exquisite—a lively deep crimson, shading to dark maroon. Excellent for cutting or exhibition. \$1 each, \$9 for 10.

MASCOTTE. I.C. Dutch novelty. Incurved Cactus of fine form. Deep clear rose color. Long, wiry stems. A silver cup winner. 75 cts. each, \$6.75 for 10.

MILTON J. CROSS. I.D. Beautiful apricot-peach with a bright golden face. The flowers attain a size of 12 inches across by 8 inches in depth, and are held well above the foliage by long, strong stems. Winner of five medals last year, including three American Home Achievement Medals at the New York Shows. 75 cts. each, \$6.75 for 10.

MRS. A. E. WHEELER. I.D. A fine clean-growing Dahlia of rich crimson-red, of large size, and free flowering on fine stems. 50 cts. each, \$4.50 for 10.

MRS. GEORGE LE BOUTELLIER. I.D. Rich velvety carmine blooms, giant in size and outstanding in every way. Healthy, vigorous grower and winner of many prizes. 50 cts. each, \$4.50 for 10.

MRS. I. DE VER WARNER. I.D. A refined, deep mauve-pink Dahlia of perfect form, impressive on account of its size and beautiful orchid color. It is an abundant bloomer, splendid for exhibition and fine for the garden. 25 cts. each, \$2.25 for 10.

MRS. WILLIAM S. KNUDSEN. I.D. A pure white which can be grown to 11 inches, without forcing, on a 6-foot plant. Heavy winner in the Mid-West. Awarded Certificate of Merit at East Lansing, 1937. \$1 each, \$9 for 10.

MURPHY'S MASTERPIECE. I.D. This greatest of all dark red giant Dahlias has been winning for years as the largest flower. Strong grower and free flowering. \$1.25 each, \$11.25 for 10.

MYRA HOWARD. I.D. This fine Dahlia is a glowing cadmium-yellow and old-gold, with many 10-inch flowers. Achievement Medal winner. 50 cts. each, \$4.50 for 10.

NAGEL'S GIANT. I.D. A Belgian giant of beautiful apricot color; robust growing and free blooming. Exhibition variety. \$2 each, \$18 for 10.

PINK GLORY. F.D. *New.* Lovely glowing light rose-pink giant Dahlia of strong growth and great substance; very free flowering, on the best of stems. 50 cts. each, \$4.50 for 10.

PRIDE OF AUSTINBURG. I.D. Soft apricot, shaded violet-rose; reverse light purple. Very attractive. Giant flower; good stems. 75 cts. each, \$6.75 for 10.

RED JUG. Semi-C. A brilliant crimson variety, lightly tipped yellow. Strong grower and a free bloomer. Consistent winner. Certificate of Merit. 75 cts. each, \$6.75 for 10.

RED KING. F.D. *New.* Vivid rich red Dahlia of fine habit, with long stems and flowers produced very freely; they are 6 to 8 inches across, of firm texture and with lasting qualities. Very fine for cutting. 50 cts. each, \$4.50 for 10.



Dahlia, Bronze Knight
(See page 87)



Dahlia, Son of Satan
(See page 89)



Pompon Dahlia, Little Belle
(See page 90)



Dahlia, Jersey's Beauty
(See above)

DECORATIVE AND CACTUS DAHLIAS, continued

RITA WELLS. I.D. *New.* Outstanding variety of giant size. Winner at many important shows. Rose-buff, reverse lilac-pink. \$5 each, \$45 for 10.

ROBERT L. RIPLEY. I.D. Without doubt one of the largest varieties grown. Soft rhodamine-purple with deep rose-pink suffusion throughout. Stems straight and strong. \$1.50 each, \$13.50 for 10.

ROSIE O'GRADY. I.D. A lovely large new Dahlia of distinct old-rose. It is entirely different in color from any other variety, and we feel sure you will like it. 75 cts. each, \$6.75 for 10.

ROYCROFT. Semi-C. Large, finely formed Semi-Cactus of cinnamon-buff, deepening to russet. Very prolific bloomer. Fine stems. Vigorous grower. 25 cts. each, \$2.25 for 10.

SALMON SUPREME. F.D. As the introducers of this variety, we feel justified in predicting that it will become a very popular Dahlia. The form and color are really wonderful. Its very large, glistening salmon-orange flowers are held proudly erect on the strongest of stems. Free flowering and a vigorous grower. This fine new Dahlia should be in every garden. 50 cts. each, \$4.50 for 10.

SARA BREWSTER. I.D. A border-line Dahlia of unusual color—picric-yellow, suffused scarlet. Plant is an excellent grower, averaging 4½ feet, and a prolific bloomer. Blooms average 9½ to 10 inches across. Scored 83 E at Storrs, 1937. \$2 each, \$18 for 10.

SATAN. Semi-C. Immense showy variety of bright scarlet; strong, thrifty grower. A great favorite. 50 cts. each, \$4.50 for 10.

SON OF SATAN. Semi-C. Brilliant scarlet of giant size. Larger than Satan and of deeper scarlet. Vigorous grower. \$1.50 each, \$13.50 for 10.

SULTAN OF HILLCREST. F.D. One of the very largest grown. Color strontium-yellow and gold. Very vigorous grower and free bloomer. 50 cts. each, \$4.50 for 10.

SUNRAYS. I.D. A spectacular Dahlia. Color clear buff with apricot suffusion. This variety has won many prizes. \$3 each, \$27 for 10.

TOWERS' EMPIRE. I.D. A giant, deep, full flower of golden yellow, slightly tinted bronze toward the center. Free flowering; very fine. 50 cts. each, \$4.50 for 10.

VIRGINIA RUTE. I.D. *New.* Sensational giant flower of rich ox-blood-red with garnet edges. \$3 each, \$27 for 10

WATCHUNG GIANT. I.D. Here is a really true giant Dahlia without being coarse or clumsy. The color is a beautiful light definite yellow with a warm suffusion of rose. Fine stem and habit of growth. Sensational. \$1 each, \$9 for 10.

WHITE KING. F.D. *New.* A pure white, large-flowering Dahlia of very beautiful form and substance. Free flowering, on long stems. Splendid for the garden or exhibition. 30 cts. each, \$2.70 for 10.

WHITE WONDER. I.D. The giant blooms are pure white, with long, pointed, twisted, and curled petals, giving the flower a light, fluffy appearance. We consider this one of the finest new white Decorative Dahlias, if not the finest. 50 cts. each, \$4.50 for 10.

YELLOW MARVEL. S.C. *New.* A free-blooming clear yellow of fine form. Good garden and cut-flower variety. 75 cts. each, \$6.75 for 10.

YELLOW SUPREME. F.D. *New.* The finest brilliant yellow, perfectly formed formal we have ever seen. Very free flowering and of great substance. Can be cut when breaking color, put in water and will increase in size each day and keep in perfect condition. Very long stems (up to 4 ft.). Splendid for exhibition, cut-flowers or garden decoration. \$1 each, \$9 for 10.

MINIATURE DAHLIAS

Flowers less than 3½ inches in diameter

These are increasing in popularity and interest. After careful tests, we are including many new and meritorious varieties, giving a complete range of distinct colors and forms. All types of Dahlias are to be found in this section, but the plants are dwarf and the flowers are

perfect gems, ideal for cut-flower purposes. They are also invaluable for borders, hedges or planting in the perennial garden. Since their height is between 1½ and 3 feet, they need no supporting stakes and may be used for bedding. Pinch them to keep the plants uniform.

ALPHA. *New.* Anemone-flowered. Novel star-like flowers of deep red with high cushioned center slightly touched with gold. 50 cts. each, \$4.50 for 10.

AMI BARILLET. Single. Low-growing, bedding type; deep clear red with yellow center. The purplish red, fern-shaped foliage is very attractive. 35 cts. each, \$3.15 for 10.

BABY ROYAL. Semi-C. Salmon-pink shaded apricot. Free bloomer. 35 cts. each, \$3.15 for 10.

BABY SAGAMORE. F.D. Deep orange-yellow of fine form and very free flowering. 35 cts. each, \$3.15 for 10.

BISHOP OF LLANDAFF. Peony-flowered. Bright scarlet; duplex form. Attractive, fern-like, reddish purple foliage. This fine variety is illustrated on the next page. 40 cts. each, \$3.60 for 10.

CORINNA. F.D. Well-formed blooms of brilliant yellow. 35 cts. each, \$3.15 for 10.

COURONNE. I.D. Pure, waxy white; form very much like a gardenia. 35 cts. each, \$3.15 for 10.

DONAU. F.D. Silvery soft rose blooms, gracefully displayed on long stems. 35 cts. each, \$3.15 for 10.

FAIRY. F.D. Violet-rose, shading to mauve at the tips. Keeps wonderfully when cut. 35 cts. each, \$3.15 for 10.

FUGI SAN. Single. Literally covered with 2-inch flowers of clear fawn-buff, with crimson eye. 50 cts. each, \$4.50 for 10.

INNOCENCE. *New.* Pure white with golden center. Flowers all summer. Fine bedder. 50 cts. each, \$4.50 for 10.

JAMBOREE. Semi-C. Beautiful shade of soft salmon-pink. A prize-winning variety. 50 cts. each, \$4.50 for 10.

LITTLE DREAM. Semi-C. Clear pink, lighter center; fine form. 50 cts. each, \$4.50 for 10.

McKAY'S PURITY. Miniature Formal Dahlia of outstanding merit. Perfect form; free flowering. Pure white. 50 cts. each, \$4.50 for 10.

MARCELLETTE. F.D. Attractive flowers of rare fawn color. 35 cts. each, \$3.15 for 10.

MARKET QUEEN. F.D. Brilliant red with pure white tips. Fine cut-flower. 40 cts. each, \$3.60 for 10.

MIA. Semi-C. Brilliant deep red. A beautifully formed Cactus. 50 cts. each, \$4.50 for 10.

ORCHID LADY. F.D. Dainty pure orchid-pink of fine form. Distinct. 50 cts. each, \$4.50 for 10.

ORIOLE. Single. Intense maroon-red, bright golden center. Dark red and green foliage. Very striking. 50 cts. each, \$4.50 for 10.

PRINCE OF BULGARIA. Single. White, 2-inch flowers, heavily striped bright red. Low grower and prolific bloomer. Wonderful for bedding and border. 50 cts. each, \$4.50 for 10.



Single Dahlia, Scarlet Gem
See page 90

We Offer DAHLIA POLES, 6 feet long, solid ash and painted green at \$15 per hundred



Bishop of Llandaff. (See page 89)

Miniature Dahlias, continued

RED HEAD. F.D. Brilliant deep orange-red; flowers of beautiful form. A low grower and free flowering. 35 cts. each, \$3.15 for 10.

RHODA. F.D. Clear salmon; fine form and substance. 50 cts. each, \$4.50 for 10.

SANHICAN'S SWEETHEART. Semi-C. Buff, suffused with yellow. Artistic and useful. Blooms all summer. 35 cts. each, \$3.15 for 10.

SYLVIA. F.D. One of the newest bright deep reds of fine form and substance. A continuous bloomer and prize-winner. 50 cts. each, \$4.50 for 10.

COLLECTION OFFERS

No. 94A: 6 Miniature Dahlias, our selection of named sorts, \$2. No. 94B: 12 named sorts, \$3.75

A FINE COLLARETTE DAHLIA

ERICA. The single flower is amaranth-red; but Collarette varieties have a second ring of additional florets, termed the collar. In this sort, the collar is tipped with white. An interesting and beautiful flower. 50 cts. each, \$4.50 for 10.

POMPON DAHLIAS

We offer below a select list of these beautiful Pompon Dahlias, a miniature form of the Show Dahlias, having the same ball-like form, but much smaller in size. The plants are also smaller, of branching habit, and produce an endless profusion of flowers which are invaluable for table decoration and boutonnières.

Atom. Orange-red.

Darky. Deep maroon, almost black.

Edith Muller. Rosy orange and yellow.

***Golden Beauty.** Bright yellow.

Honey. Yellow, tipped red.

Indian Chief. Rich red tipped white.

***Little Belle.** Dainty pink.

Little Edith. Yellow and brown.

***Mary Munns.** Fuchsia or deep lavender.

Morning Mist. White, tinted lavender.

***Red Gem.** Rich deep red.

***Snowbird.** Pure white.

W. E. Marcy. Deep bright red.

Any of above, 25 cts. each, \$2.25 for 10

COLLECTION OFFER No. 94C: One root each, 5 varieties marked *, as shown in color on page 86 (value \$1.25), for 95 cts.

ORCHID-FLOWERING DAHLIAS

These have single flowers, but the margins of the ray-florets turn inward toward the tips to become more or less tubular.

BEAVER. Crimson with white shading. 25 cts. each, \$2.25 for 10.

BUTTERCUP. Canary-yellow. 25 cts. each, \$2.25 for 10.

EVEREST. Pure white. 35 cts. each, \$3.15 for 10.

TWINKLE. White suffused with violet-rose. 35 cts. each, \$3.15 for 10.

WHISPER. Maize-yellow, with scarlet reverse. 35 cts. each, \$3.15 for 10.

COLLECTION OFFER No. 94D: One root each, above 5 varieties (value \$1.55), for \$1.35

MIXED ORCHID-FLOWERING DAHLIAS

Beautiful; attractive. All colors. No names. 25 cts. each, \$2.25 for 10.

SINGLE DAHLIAS

These are effective in the garden, and are wonderful for cut-bloom.

GLORIOUS. New. Bright intense orange-gold. Grand for cutting. 50 cts. each, \$4.50 for 10.

LAVENDER GEM. Clear rosy lavender, 3-inch flowers. 25 cts. each, \$2.25 for 10.

NEWPORT PINK. A very attractive flower of soft Chatenay pink. Very decorative. 35 cts. each, \$3.15 for 10.

ORANGE GOLD. Brilliant orange-scarlet and gold. Very graceful. Fine cut-flower. 50 cts. each \$4.50 for 10.

PINK GEM. Large graceful flower of bright clear rose-pink. 50 cts. each, \$4.50 for 10.

SCARLET GEM. Fine scarlet, 3-inch flowers. Very free blooming. 25 cts. each, \$2.25 for 10.

SNOW PRINCESS. New. Waxy white 4-inch flower of great substance. Splendid for cutting. 50 cts. each, \$4.50 for 10.

TANGO CENTURY. One of the loveliest bronzy yellow Singles. Good stems. Free bloomer. 25 cts. each, \$2.25 for 10.

WHITE LADY. A large, pure white variety, with golden yellow center. Very free bloomer. 35 cts. each, \$3.15 for 10.

COLLECTION OFFER No. 94E: One root each, above 5 varieties (value \$3.45), for \$2.50.



Orchid-flowering Dahlias

GARDEN FULL OF DAHLIAS FOR \$2

Retail Value
\$4.60

Sold in a Collection

No. 94F: 12 Distinct Sorts, Each Root Clearly Marked with Its Name

This Collection will enable you to have enormous flowering kinds, and also to try other interesting types, giving you an all-round Dahlia Garden.

EIGHT EXHIBITION SORTS

Avalon. Deep yellow.

Jane Cowl. Bronze.

Jersey's Beauty. Pink.

Kiss Me. Red and white.

Red King. Deep red.

Salmon Supreme. Salmon-pink.

White King. Pure white.

Yellow Supreme. Bright yellow.

TWO POMPON SORTS

Small-flowering Show Type

Edith Muller. Rosy orange.

Indian Chief. Red, tipped white.

TWO SINGLE SORTS

Lavender Gem. Rosy lavender.

Tango Century. Bronzy yellow.

Hardy Flowering Shrubs

Prices on all Shrubs, unless otherwise noted, 85 cts. each, \$8.50 per doz.

Purchaser pays transportation beyond 50 miles of New York. Add 10 per cent for postage to your remittance if you wish delivery by mail

Almond, Flowering

Amygdalus

Fragrant flowers are borne on slender branches during May. 5 to 6 feet high.

Pink. Double-flowering; pink.
White. Double-flowering; white.

\$1 each, \$10 per doz.

Althea (*Rose of Sharon*)

The Altheas are among the most valuable of our tall, hardy shrubs on account of their blooming from August to October. Height 10-12 ft. when mature. Plants offered are 3-4 ft. at present, and in the following four colors:

Red
Pink
White
Purple

Buddleia

These three beautiful varieties are shown at right.

Charming (Pink Butterfly Bush). An outstanding novelty. Large lavender-pink flower trusses are produced abundantly throughout the summer. Grows 4 to 6 feet. We offer sturdy 2-yr., field-grown dormant plants, at 50 cts. each, \$5 per doz.

Dubonnet (Red Butterfly Bush). An entirely new color in Buddleias, an exact counterpart of the popular French wine, Dubonnet. In sunshine and under artificial light it glows almost a true red. The plant is of robust growth with strong stems. We offer sturdy 2-yr., field-grown dormant plants, at 50 cts. each, \$5 per doz.

Orchid Beauty. A splendid new variety of a soft cattleya-lilac color with a brilliant orange eye. Somewhat similar in color to the well-known variety Fortune but differs from it in its long tapering spikes, similar in form and size to the popular variety, Charming. A real addition to the Buddleias. 2-yr., field-grown dormant plants, 75 cts. each, \$7.50 per doz.

COLLECTION OFFER No. 95: One each of the above 3 Buddleias for \$1.50

Deutzia

Gracilis. A great favorite. Dwarf, covered with spikes of pure white flowers in early summer. 1½ to 2-foot plants.

Pride of Rochester. A fine, tall-growing, double, white-flowering variety. 9 to 10 feet high when mature. 4 to 5-foot plants.

Forsythia

Decorative shrub with bright yellow flowers which burst into bloom at the beginning of spring while the bush is otherwise bare.
Viridissima (Golden Bells). 7 to 8 feet high when mature. 3 to 4-foot plants.

Hydrangea

Paniculata grandiflora. The flowers, which are borne in dense, pyramidal panicles a foot long, are white when they first open but gradually change to rose color. 8 to 9 feet high when mature. 2 to 3-foot plants.

Philadelphus (*Mock Orange*)

This old-fashioned sweet-scented shrub has long been a close rival of the lilac in popularity.

Coronarius. This variety has large white flowers. 10 feet high when mature. 3 to 4-foot plants.

Shrub Rose

Hugonis. An early-flowering Shrub Rose bearing many light yellow flowers 2 inches across. Splendid in the border. Blooms in May. 6 to 8 feet tall. \$1 each, \$10 per doz.

Lipstick. (Everblooming Shrub Rose.) A new everblooming shrub or pillar Rose with lovely salmon-pink flowers. \$1 each, \$10 per doz.

Skyrocket (Everblooming Shrub Rose). Enormous flower clusters throughout season. Medium-sized brilliant red blooms. \$1 each, \$10 per doz.

Pyrus (*Cydonia*) japonica

Flowering Quince

A showy shrub that blooms profusely in early spring; flowers dazzling scarlet. 4 to 5 feet high. 2 to 3-foot plants.

Spiraea

Anthony Waterer. Color bright crimson. It is of dwarf, dense growth, and blooms the entire summer and fall. 3 feet high when mature. 1½ to 2-foot plants.

Van Houttei. When in flower, the white blooms almost entirely cover the foliage. 8 feet high when mature. 3 to 4-foot plants.

AZALEAS

Amœna. A compact plant. Foliage turns a bronzy tone in winter. Flowers are rosy purple. 18 to 24 in., \$2 each.

Amœna coccinea. A new evergreen Azalea, with bright crimson or cherry-red flowers. 15 to 18 in., \$3 each; 18 to 24 in., \$4 each.

Hinodegiri. Brilliant crimson-scarlet, a clear, handsome shade that everybody likes. 10 to 12 in., \$1.50 each, \$15 per doz.; 12 to 15 in., \$2.50 each, \$25 per doz.

Kaempferi. We offer the Japanese Azaleas in three colors: Brick-Red, Pink, or Purple. 18 to 24 in., \$3.50 each.

Kaempferi Hybrids, Mixed. Includes the three colors previously named, but sold as mixture only. 18 to 24 in., \$3 each; 30 to 36 in., \$5 each.



Three Buddleias
Charming, Dubonnet, Orchid Beauty

Syringa or Lilac

We offer two very satisfactory varieties.

Common Purple
Common White
2 to 3-foot plants

Tamarix

Summer Glow. A splendid new addition for the garden. Graceful wine-red flower sprays set off by feathery light green foliage. Blooms profusely throughout the summer. 2-yr. field-plants, 1½ to 2 ft., \$1 each, \$10 per doz.

Viburnum

Plicatum (Japan Snowball). The perfect balls of pure white flowers are borne in great profusion in May. 7 to 8 feet high. 2 to 3-foot plants.

Weigela

These are among the most popular flowering shrubs, covered in May and early June by their large, trumpet-shaped flowers.

Eva Rathke. Blooms all summer. The flowers are ruby-carmine. 5 feet high when mature. 2 to 3-foot plants.

HEDGE PLANTS

Berberis Thunbergi (Japan Barberry). It requires but little pruning to keep it in shape. The leaves are small, light green, and towards fall assume rich, brilliant colors, the fruit or berries becoming scarlet. Small spines deter trespassers breaking through. Extra-strong, 1½ to 2 ft., 4 to 6 branches, packed in bundles of 10 or 25 at \$4 for 10, \$7.50 for 25, \$25 per 100.

California Privet (*Ligustrum ovalifolium*). This is the most popular of all hedge plants. Should be set 1 foot apart in double rows in zigzag fashion. This practically places them 6 inches apart, which is desirable to get quick, dense growth. Extra-strong, 3-foot plants, \$2.50 for 25, \$7 per 100, \$55 per 1000.

RHODODENDRONS

The Aristocrats of the Plant Kingdom

Select Hybrid Seedlings Mixed Brilliant Colors

These are strong, well-rooted seedlings from seed collected from the finest English named varieties, including a wide range of desirable colors, mostly in the brilliant darker shades.

15 to 18-in. plants, very bushy, well budded. \$2.25 each, \$20 for 10.

18 to 24-in. plants. \$3 each, \$27 for 10.

24 to 30-in. plants. \$4.25 each, \$40 for 10.

30 to 36-in. plants. \$6 each, \$55 for 10.

NEW YORK CITY

Dig hole 2 ft. by 2 ft. Have earth-mark on shrub even with surface; spread roots outwards and downwards; work soil around them. Fill hole to the top; then water.



Clematis Lawsoniana



Clematis crispa



Clematis, Duchess of Edinburgh

HARDY CLIMBING PLANTS

Ampelopsis

Boston Ivy; Japan Ivy

Veitchi. The most popular of all climbing plants. Attains a height of 30 feet in two or three years; clings to stones, brick, or woodwork. 50 cts. each, \$5 per doz., \$40 per 100.

Aristolochia Siphon

Dutchman's Pipe Vine

A vigorous and rapid-growing climber, bearing brownish-colored flowers which resemble a pipe in shape. \$2 each, \$20 per doz.

Bignonia radicans

Scarlet Trumpet Vine

For covering unsightly places, stumps, rockwork or planting in crevices in ledges. The flowers are large and borne profusely when the plant attains a fair size. 75 cts. each, \$7.50 per doz.

Celastrus scandens

Bittersweet or Waxwork

One of our native climbing plants with attractive light green foliage and yellow flowers during June, followed in the autumn by bright orange fruit. \$1 each, \$10 per doz.



Aristolochia Siphon

Clematis

Clematis hybrids should enjoy a spot in everyone's garden. Their outstanding color and form lend dignity and charm. Grown on trellises, arbors, pergolas, old tree stumps, and walls, they will lend color in many parts of your garden. The single large-flowering and double varieties cover almost the entire color-range and the many small-flowered have curiously formed flowers.

SINGLE LARGE-FLOWERING

Comtesse de Bouchard. Curved petals that range in color from satiny rose to rich pink. \$1 each.

Crimson King. A beautiful crimson-toned flower with a satiny finish. \$1.50 each.

Duchess of Albany. Gorgeous pink, trumpet-like flowers. An unusual type. \$2 each.

Henryi. Large white blooms, frequently measuring 8 inches across. \$1 each.

Jackmani. A perfect mass of bloom. Dark, rich purple. \$1 each.

Jackmani rubra. A vigorous bright red variety. Very free flowering. \$1.50 each.

Jackmani superba. Dark violet-purple blooms of a rich substance. \$2.50 each.

Lawsoniana. Large; rosy purple. \$1 each.

Lord Neville. Large; purplish plum. \$1 each.

Mme. Baron Veillard. Striking pale lilac-rose blooms. \$1 each.

Mme. Edouard Andre. Unusual reddish purple flowers. \$1 each.

Ville de Paris. Soft blue with red on each petal. \$1 each.

DOUBLE LARGE-FLOWERING

Belle of Woking. Pale bluish mauve. \$1.50 each.

Duchess of Edinburgh. Large, double white flowers. \$1 each.

Small-flowering Clematis

Crispa. Small, bell-shaped, purple flowers. Most unusual. 85 cts. each.

Montana undulata. A profusion of soft mauve-pink flowers. Splendid for wall planting. 85 cts. each.

Paniculata (Virgin's Bower). Flowers appear in August, continue until frost and are white in color; deliciously fragrant. 50 cts. each.

Tangutica obtusiuscula. Golden yellow bells on stately stems. 85 cts. each.

Texensis (C. coccinea). Urn-shaped, vivid scarlet blooms. 85 cts. each.

Honeysuckle

Halliana (Hall's Japan Honeysuckle). White flowers changing to yellow; very fragrant. 50 cts. each, \$5 per doz.

Scarlet Trumpet. This is the handsomest variety in cultivation. It produces inodorous flowers. 50 cts. each, \$5 per doz.

Passiflora (Passion Flower)

A curiously beautiful flower with creamy white petals and a fringed crown or halo of clear blue and purple rays around the mysterious center. Needs protection at the root in northern climates. Pot-plants, delivery May 1, \$1 each, \$10 per doz.

Polygonum Auberti

Silver Lace Vine

The plant is of strong, vigorous growth, attaining the height of 25 feet or more, and producing great foamy sprays of white flowers. \$1 each, \$10 per doz.

Wisteria

These are strong, 2-year-old, grafted plants which more definitely assure flowering in from 2 to 3 years if planted in sunlight and well-drained soil.

Sinensis (Chinese Wisteria). When established it grows 15 to 20 feet in a season. Flowers pale blue. \$1 each, \$10 per doz.



Passiflora (Passion Flower)



S. & W. CO.'S GUARANTEED ROSES

Our Roses are re-selected from selected No. 1 grade plants and are the best obtainable. Each will have three or more branches, according to the characteristics of the variety. They are dug in late autumn, the roots being wrapped in damp moss and burlap, and stored over winter. Proper storage is essential for the well-being of living merchandise—the facilities which we have, with modern methods for controlling temperature and humidity, are ideal. These healthier plants will show superior quality when growing in your garden. Planted in spring, practically all types will bloom this year; the exceptions are a few Climbers, which may not flower until 1942.

WE GUARANTEE our Roses to reach you in good condition and to live; we will replace without charge any that may not be alive two months after you purchase them.

Outstanding Popular Everblooming Roses, Hybrid Tea-Scented (Will bloom this summer)

- *Apricot Queen.** Patent pending. A strong-growing variety with shiny, leathery foliage. The long-pointed bud opens to a fragrant flower of perfect shape, with petals of orange and apricot at the base, merging to salmony rose and phlox-pink. A lovely combination. 45 petals. \$1.50 each, \$15 per doz.
- *Autumn.** Straight brownish orange buds open to very double blooms of burnt-orange streaked with red and taking on pinkish tints as the flowers develop. They are moderately fragrant, and the plants are healthy. 70 petals. 90 cts. each, \$9 per doz.
- **California.** Patent pending. A vigorous plant with glossy foliage, blooming with unusual freedom. Bud is long and pointed, and opens to an enormous flower, 5 to 6 inches across. The color is a ruddy orange, toned with saffron-yellow; the exterior of the petals is overlaid with rose. A dual-tone effect of much richness. Rich fruit fragrance. 30 petals. \$1.50 each, \$15 per doz.
- **Crimson Glory.** Patent 105. Urn-shaped buds open to splendidly formed velvety crimson flowers with scarlet tones in summer and blackish shades in fall. The blooms are deliciously fragrant. Healthy plants of moderate growth. 25 to 30 petals. \$1.25 each, \$12.50 per doz.
- *Dame Edith Helen.** Pointed, fat buds open to perfect exhibition flowers of clear pink, sweetly scented. The plants are of medium height, have healthy foliage, but resist hard pruning. 70 petals. 90 cts. each, \$9 per doz.
- **Double White Killarney.** The buds are long and pointed and both they and the fully opened flowers are pure white and delightfully scented, with the distinct Killarney fragrance. 90 cts. each, \$9 per doz.
- Edel.** Splendid globular buds, opening to huge, extremely double, snow-white flowers, slightly fragrant and exquisitely formed. The plants are strong, tall, free in blooming habit, satisfactory for bedding. 90 petals. 90 cts. each, \$9 per doz.
- Glowing Carmine.** From shapely buds emerge fully double blooms which are well described by the name. A grand Rose which is only slightly fragrant. Healthy, upright plants. 50 petals. \$1 each, \$10 per doz.
- *Glowing Sunset.** Patent 104. Long-pointed buds open to cactus-shaped blooms with twisted petals. The color is a blend of orange, yellow, and rose-pink. Fragrant. The plant is of average growth and is healthy. \$1 each, \$10 per doz.
- **Golden Dawn.** A low-growing, spreading plant with profuse, disease-resistant, and very attractive foliage. Fat buds open to large, double blooms of lemon or straw-yellow, with rich tea fragrance. 45 petals. 90 cts. each, \$9 per doz.
- *Kaiserin Auguste Viktoria.** Perfectly formed white buds open slowly to high-centered, fragrant blooms of snow-white. Upright, healthy plants. 100 petals. 90 cts. each, \$9 per doz.
- *Mrs. Henry Bowles.** Shapely buds open to high-centered quality flowers of dark glowing pink. Fragrant and long-lasting. Average growth with dependable foliage. A grand cutting Rose. 50 petals. 90 cts. each, \$9 per doz.
- **Mrs. Oliver Ames.** Patent pending. The flower is a rich self color—medium yellow. It is of good substance, averaging 60 petals. Outstanding features are its exceptional fragrance and the strong-growing, healthy plant. \$1.50 each, \$15 per doz.
- *Orange Nassau.** Patent 350. A splendid deep orange Rose with large blooms of fine shape, averaging rather more than 50 petals. A Rose of startling color. \$1.50 each, \$15 per doz.
- *Pink Dawn.** Deep rose-pink buds open to nicely formed flowers of lively pink. These are sweetly scented and borne in moderate quantities on splendid, upright plants with healthy foliage. 100 petals. \$1 each, \$10 per doz.
- *Poinsettia.** Pointed, dark red buds open to blazing scarlet-red blooms of lovely form, and carry a rich tea fragrance. The plants are tall, well clothed with disease-free foliage, and produce an unusual quantity of exceptional bloom. 35 petals. \$1 each, \$10 per doz.
- *President Macia.** The very long pink bud, which is heavily veined with darker pink, opens to a mammoth 6-inch flower. Petals are flesh-color, with a yellow tinge toward the base. Valuable both in the bud and the open bloom. Fragrant. One of the most beautiful of all Roses. 25 petals. \$1.25 each, \$12.50 per doz.
- *R. M. S. Queen Mary.** Patent 249. Long-pointed, colorful buds turning to nicely formed flowers in a blend of vivid shades of salmon, pink, and orange. Pleasing fragrance. Bushy plants with healthy foliage bloom freely. 40 petals. \$1.25 each, \$12.50 per doz.
- **Radiance.** The world's favorite pink Rose has cupped blooms of two-toned pink, chock full of the rich fragrance of old-time Roses. The plants are tall, bloom freely, and are disease-free; a strong, vigorous grower. 23 petals. 90 cts. each, \$9 per doz.
- **Red Radiance.** A red counterpart of Radiance, with the same splendid growth and the same quantity of large, richly fragrant blooms. The color is a pleasing cerise-red. Blooms freely. 23 petals. 90 cts. each, \$9 per doz.
- *Sequoia.** Nicely formed flowers of brownish apricot, maturing pure apricot, are developed from handsome, thick, pointed buds. 40 petals. \$1.25 each, \$12.50 per doz.

To Help You Choose

Everyone enjoys the *scent of Roses*, and all our everblooming varieties are fragrant; sorts marked * have a pronounced perfume, and those marked ** even more so.

The number of petals indicates the *double-ness* of a Rose: one with 17 is a semi-double bloom; one with 100 petals is heavy and tight, like the old-time cabbage Rose. Many varieties with fewer petals are preferred for their beauty when the bud is partly opened.

Other good everblooming Roses on the next page.

We offer all of the above Roses in 6-inch POTTED PLANTS for delivery after May 15 at the dormant each price, plus 25 cts.

NEW YORK CITY

If you prefer Roses in the bud stage for cut-bloom, or like them to show ■ center when fully opened, select varieties with few petals. Those having most petals show no center.

Roses 93

FEED ROSES with SAWCO Rose Food. Mix a trowelful with the soil under each bush at planting-time. Dust some on the soil and rake under, spring and fall. 100 lbs. \$6

TWENTY FINE EVERBLOOMING ROSES

At prices which justify extensive planting. Specially selected for quantity and quality of bloom and resistance to disease. All will bloom this summer. All are guaranteed to live.

ANY of the following 20 varieties, extra strong dormant plants 80 cts. each, \$2.25 for 3, \$8.50 per doz., \$60.00 per 100

Special Collection B: All these sorts, 20 plants, one each of 20 varieties **\$13.50**

We offer these also in pots after May 15, at the dormant price, plus 25 cts.

To Help You Choose

Everyone enjoys the *scent of Roses*, and all our everblooming varieties are fragrant; sorts marked * have a pronounced perfume, and those marked **even more so.

The number of petals indicates the double-ness of a Rose; one with 17 is a semi-double bloom; one with 100 petals is heavy and tight. Many varieties with fewer petals are preferred for their buds.

- ***BETTY UPRICHARD.** Fragrant. Salmon-pink with coppery carmine on reverse of petals. 17 petals.
- ****CHRISTOPHER STONE.** Very fragrant. Bright velvety scarlet. 30 petals.
- ***EDITH NELLIE PERKINS.** Mildly fragrant. Soft salmon-pink, coppery rose reverse. 40 petals.
- ***E. G. HILL.** Fragrant. Deep red, shading to crimson. 60 petals.

- ****ETOILE DE HOLLANDE.** Intensely fragrant. Rich crimson. The world's favorite red Rose. 35 petals.
- ***GOLDEN RAPTURE.** Old Rose fragrance. Pure yellow; buds long and pointed. 35 petals.
- ****HEINRICH WENDLAND.** Intense fruity fragrance. Nasturtium-red inside and golden yellow reverse. 100 petals.
- ***HINRICH GAEDE.** Rich raspberry fragrance. Flaming orange with scarlet sheen. 50 petals.
- ****IMPERIAL POTENTATE.** Deliciously fragrant. Dark rose-pink. 55 petals.
- ***JOANNA HILL.** Moderately fragrant. Orange in center, cream at edges. 40 petals.
- McGREDY'S SCARLET.** Faint tea scent. Uniform red. 35 petals.
- ****MISS ROWENA THOM.** Deliciously fragrant. Immense; rose-pink. 30 petals.

- ***MME. JOSEPH PERRAUD.** Fragrant. Buff with pink edges. 35 petals.
- ***MME. JULES BOUCHE.** Moderately fragrant. White, with slight pinkish tinge at center. 35 petals.
- ***MRS. E. P. THOM.** Mild scent. Fine yellow blooms. 40 petals.
- ***MRS. SAM McGREDY.** Fragrant. Scarlet-orange, changing to coppery as the blooms mature. 40 petals.
- ***MRS. PIERRE S. DU PONT.** Rich spicy fragrance. Deep yellow. 40 petals.
- ***PRESIDENT HERBERT HOOVER.** Delightful fragrance. Mixture of scarlet, yellow, cerise and flame. 25 petals.
- ***SUNNY DAYS.** Fragrant. Chrome-yellow; outer petals lighter. 70 petals.
- ***TALISMAN.** Fragrant. Mixture of red, orange, pink and bright yellow. 25 petals.

Other Types of Roses

Everblooming Single Roses

Will Bloom This Summer

These are unique in their simple beauty. Not least among their charming features are the prominent stamens. Single Roses are ideal cut-flowers.

- Cecil.** A perfect, pure yellow variety.
- Dainty Bess.** Delicate pink; red stamens.
- Innocence.** Pure white; red stamens.
- Irish Fireflame.** Beautiful deep orange, splashed with crimson. Excellent for cutting five or more buds to branch.
- K. of K. (Kitchener of Khartoum).** Brilliant, scarlet blooms. Free flowering.

Dormant Plants, \$1 each, \$10 per doz.

Hardy Hybrid Perpetuals

The June-Blooming Roses (Bloom This Summer)

Among these are to be found some of the largest Rose blooms; they are markedly resistant to severe climatic conditions.

- Frau Karl Druschki.** Pure white in color.
- ****General Jacqueminot.** Scarlet.
- ****Henry Nevard.** Crimson-scarlet.
- Mme. Albert Barbier.** Large; creamy pink.
- ***Mrs. John Laing.** Double; clear pink; sweet-scented.

Any of above, Dormant plants, 85 cts. each, \$8.50 per doz., \$65 per 100

ROSES SHOULD BE SPRAYED frequently against black-spot and insects. We recommend Tri-ogen Rose Spray, Pomo-Green, Rotene, and other reliable products offered on pages 130-132.

Everblooming Cluster Roses

Excellent for Bedding (Floribunda)

Just the thing for brilliant effect. They are vigorous, bushy plants, and perfectly hardy. They grow about 2 feet high and produce superb clusters of fairly large, double Roses all summer. They bloom persistently.

They are excellent for placing in the perennial border, in Rose-beds, or isolated groups; good, too, for lining both sides of the entrance drive. For proper effect, mass planting should be practiced.

- Cheerio.** Clear mallow-pink, shading to Tyrian rose at the base, with the reverse a luminous rose-madder. The whole creates an effective color balance.
- Pink Jewel.** Arbutus-pink, shading to deep camellia-rose in the center of the densely double, large blooms. Flowers are gracefully waved along the edges.
- Red Velvet.** Dark red, outside of the petals deep carmine. The effect is an intensely vivid crimson-lake. The velvety finish of the flowers adds to the beauty and richness of the color.
- Sunmist.** Graceful, pointed buds opening into large, fluffy, well-rounded flowers of a clear, light, sulphur-yellow, shading to mellow canary; flower clusters.

Any of the above Dormant plants, \$1.00 each, \$10.00 per doz.

A GOOD ROSE BOOK

HOW TO GROW ROSES. By J. Horace McFarland and Robert Pyle. 192 pages. Beautifully illustrated with color plates, half tones, and line drawings, \$1.



Cluster Rose, Pink Jewel

Baby Ramblers or Polyanthas

Shapely bushes, mostly 1½ feet high.

- Cecile Brunner** (Sweetheart Rose). Dainty flowers of soft rosy pink.
- Gloria Mundi.** The new orange-scarlet.
- Ideal.** Beautiful dark red.
- Mrs. R. M. Finch.** Double; soft rosy pink.
- Orange Triumph.** Scarlet-orange flowers.

Dormant plants, 90 cts. each, \$9 per doz., \$70 per 100

Climbing Roses

These require no pruning in the spring except the cutting out of very old or dead wood, and the shortening of the laterals and long canes to make the growth conform to the space to be covered, but prune severely in July, directly after they have finished flowering.

***Apricot Glow.** Patent No. 200. Magnificent sort; flowers of light apricot, shading yellow. Dormant plants, \$1 each, \$10 per doz.; in pots, \$1.25 each, \$12.50 per doz.

***Climbing American Beauty.** A pleasing rose-pink. Dormant plants, 90 cts. each, \$9 per doz.; in pots, \$1.15 each, \$11.50 per doz.

Dr. W. Van Fleet. The long, pointed buds are of a rich flesh-pink. Dormant plants, 90 cts. each, \$9 per doz.

***Easlea's Golden Rambler.** Patent No. 114. Clusters of large, chrome-yellow and maddery orange blooms. Dormant plants, \$1 each, \$10 per doz.; in pots, \$1.25 each, \$12.50 per doz.

***Golden Glow.** Patent No. 263. A vigorous companion to Apricot Glow, but pure bright yellow blooms. Profuse bloomer. Dormant plants, \$1 each, \$10 per doz.; in pots, \$1.25 each.

Jacotte. Color shrimp-pink, shaded golden yellow at base. Dormant plants, 90 cts. each, \$9 per doz.

***Mary Wallace.** Large, rose-pink flowers. Dormant plants, 90 cts. each, \$9 per doz.; in pots, \$1.15 each, \$11.50 per doz.

***New Dawn** (The Everblooming Dr. W. Van Fleet). Patent No. 1. Really the most satisfactory Everblooming Climber introduced. Flesh-pink in color. Dormant plants, \$1.50 each, \$15 per doz.; in pots, \$1.75 each, \$17.50 per doz.

***Paul's Scarlet Climber.** A vivid scarlet which does not bleach or fade. Dormant plants, 90 cts. each, \$9 per doz.; in pots, \$1.15 each, \$11.50 per doz.

***Silver Moon.** Pure white in color. Dormant plants, 90 cts. each, \$9 per doz.; in pots, \$1.15 each, \$11.50 per doz.

*These sorts also offered, growing in 6-inch pots, for delivery after May 15 at prices noted

Three Miniature or Thimble Roses

Something different for the rose-lover. Plant these hardy subjects in a rock-garden, bed, rose-border, or in a special children's garden. You can make the tiny flowers into miniature bouquets for the invalid's tray; construct earrings or finger-rings with them; decorate the hair with them, or use them with place-cards or in finger-bowls.

Baby Gold Star. Pat. 407. Rich yellow. Very small bud. The open bloom is the size of a quarter. Height 8 to 10 inches. \$1 each, \$2.50 for 3.

Pixie. Pat. 408. A lovely soft pink, fading to white. The buds and open blossoms are no larger than a dime. Height 4 to 6 inches. \$1 each, \$2.50 for 3.

Tom Thumb. Pat. 169. Deep carmine. Tiny buds open to blooms the size of a dime and show small white centers. Height 4 to 6 inches. 75 cts. each, \$2 for 3.

COLLECTION No. 101G. 1 each, above 3 varieties, \$2.25

Above, in 3-inch pots, will be available April 15

Tree Roses

Plant them in your perennial border, or in your Rose-garden, where they will stand head and shoulders above their companions. We offer the following varieties on strong, straight, 3½-foot stems. Over winter they may be dug up and buried in a trench, or heeled in under a shed. In mild latitudes fix straw among the branches, without digging up. The following will bloom this summer.

Crimson Glory. Velvety crimson. Deliciously fragrant.

Frau Karl Druschki. Snow-white.

Imperial Potentate. Dark rose-pink. Deliciously fragrant.

Margaret McGredy. Oriental red.

Mme. Jules Bouche. White. Fragrant.

Mrs. E. P. Thom. Yellow. Mild scent.

Mrs. Pierre S. du Pont. Golden yellow. Spicy fragrance.

President Herbert Hoover. Suffused yellow and pink. Delightful fragrance.

Radiance. Pink. Popular favorite.

Red Radiance. Red. Richly fragrant.

Talisman. Golden yellow and copper.

Pot-plants only, ready early in May, \$4 each



Tree Rose

Shrubbery Roses

Will Bloom This Summer

Hugonis. From north China, and very hardy. This is a graceful shrub with red canes, fern-like foliage, and masses of single yellow flowers in May. Will grow up to 8 feet. Dormant plants, \$1 each, \$10 per doz.

Lipstick. An everblooming Shrub Rose, producing during the whole season clusters of medium-sized, single flowers of clear cerise with salmon shadings. The yellow stamens are very attractive. Dormant plants, \$1 each, \$10 per doz.

Skyrocket. Everblooming Shrub Rose. Enormous clusters of medium-sized brilliant red blooms all season. Dormant plants, \$1 each, \$10 per doz.

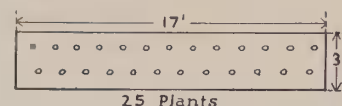
The above three Roses are excellent shrubs for foundation planting, or for placing wherever you have room for a permanent bush.

Collections of Roses

In which you allow us to select high-quality varieties for you.

Reliable Everblooming Hybrid Tea-scented Sorts

These are high-quality plants. Each is marked clearly with its name and all will bloom this summer.

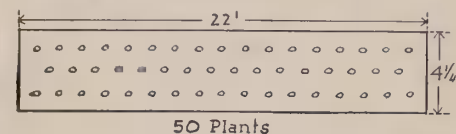


25 Plants

Collection 101 A or 101 B would be ideal for a bed like this.

COLLECTION 101 A. 25 Roses, 5 each of 5 varieties, our selection of leading sorts, all named. Dormant plants, available up to May 15...\$17.50

COLLECTION 101 B. The same 25 Roses after May 15, in pots.....\$22.50

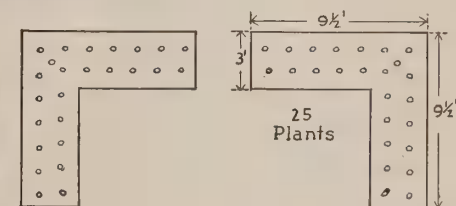


50 Plants

Collection 101 C or 101 D would be ideal for a bed like this.

COLLECTION 101 C. 50 Roses, 5 each of 10 varieties, our selection of leading sorts, all named. Dormant plants, available up to May 15...\$32.50

COLLECTION 101 D. The same 50 Roses after May 15, in pots.....\$40.00



100 Plants



Collection 101 E or 101 F would be ideal for a bed like this, allowing 25 Roses in each of the four L-shaped beds.

COLLECTION 101 E. 100 Roses, 5 each of 20 varieties, our selection of leading sorts, all named. Dormant plants, available up to May 15.....\$60.00

COLLECTION 101 F. The same 100 Roses after May 15, in pots.....\$75.00

FULLY GUARANTEED. The Roses in these Collections are of high quality and are fully covered by our Guarantee printed on page 93.

HARDY PERENNIAL PLANTS



Aconitum Fischeri



Anthemis, Thora Perry



Aquilegia, Super-spurred Colossal

The Perennial Plants catalogued here are grown in our nurseries at Farmingdale, Long Island. We do not make any super claims with regard to them except to say that the Long Island climate is conducive to rugged plants. Here we have humid summers and cold, wet

winters. These extremes of weather tend to produce "tough" plants which will thrive anywhere. We do not offer as hardy, plants which are definitely not so.

You may plant them with every confidence.

ACHILLEA. *Yarrow.* Showy border plants which do well in full sun.

Millefolium roseum. Finely cut foliage. Pink flowers. 2 ft. July.

Ptarmica, Perry's White. Pure white, double flowers. Good for cutting. 2 to 3 ft. Aug.

ACONITUM. *Monkshead.* Very effective in shady places. Requires a woodsy soil. **Fischeri.** Clear blue flowers. 3 to 4 ft. Sept.

Napellus. Rich dark blue. 4 ft. Aug.

Sparks' Variety. Deep violet-blue. Very stately, growing up to 5 feet.

Above 3 varieties, \$1.20 for 3, \$4.50 per doz.

AJUGA. *Bugle-Flower.* Splendid carpeting plants and ideal ground-covers for sun or shade.

Metallica. ★ Bronze foliage and blue flowers. 4 to 6 in. June.

Reptans alba. ★ Pure white flowers. 4 to 6 in. June.

Reptans, Pink Spires. ★ Very effective because of its soft pink flowers on long spikes. Perfect compact habit. Fine for the edges of paths and walks. 6 to 9 in. June, July. \$1.50 for 3, \$5.50 per doz.

ALYSSUM. *Basket of Gold.* These produce sheets of yellow flowers. Very suitable for rock-gardens, walls, and sunny borders.

Saxatile. ★ Golden yellow. 1 ft. May.

Saxatile, Silver Queen. ★ Lemon-yellow. 9 in. May.

ANCHUSA. *Alkanet.* These rank among the best blue summer-flowering plants.

Italica, Dropmore. Very showy and effective in borders. Brilliant royal blue. 4 to 5 ft. July. \$1 for 3, \$3.75 per doz.

Myosotidiflora. ★ Produces sprays of turquoise-blue flowers resembling forget-me-nots. 1½ ft. May, June. \$1.20 for 3, \$4.50 per doz.

ANTHEMIS. *Chamomile.* A lovely summer-flowering plant with elegant, finely cut foliage. Fine for cutting.

Thora Perry. A novelty from England, with bright yellow flowers. 3 ft. July, Aug. \$1.50 for 3, \$5.50 per doz.

Anemone japonica • Windflower

There are no prettier flowers for the autumn than these. Thriving in borders, in sun or partial shade, they produce a charming picture from early September to late October with their beautiful chalice ranging from pure white to rose and crimson. They revel in a woodsy soil, i.e., rotted leaves, peat, etc.

Geant des Blancches. Huge white flowers. 3 ft.

Hupehensis. Early flowering. Rosy mauve. 1½ ft.

Queen Charlotte. Beautiful, large silvery rose flowers. 3 ft.

Rosea superba. Large deep rose flowers. 3 ft.

September Charm. Rosy pink. Very floriferous and popular. 2 ft.

Rubra. Dark crimson. 2 ft.

ANEMONE pulsatilla. *Pasque Flower.* ★ Lovely mauve flowers in late April and May. The flowers are covered with silky hairs and have golden stamens. 9 in.

Pulsatilla rubra. ★ A ruby counterpart of the above.

All Anemones, \$1.20 for 3, \$4.50 per doz.

Aquilegia • Columbine

Beautiful old-fashioned border plants of indescribable grace. All are excellent for cutting.

Alpina. A short-spurred variety; deep blue flowers. 3 ft. May.

Clematiflora. Very distinct in that the flowers resemble a clematis. Pastel shades. 2 ft. June. \$1.20 for 3, \$4.50 per doz.

Long-spurred Varieties. All flower in June, and are from 2 to 3 feet in height. **Blue Shades** **Rose and Pink Shades** **Scarlet Shades** **Yellow Shades** **Sawco Hybrids**

Longissima. Bright yellow, with spurs 3 to 4 inches long. 2½ ft. June. \$1.50 for 3, \$5.50 per doz.

Pyrenaica. Good for woodland planting. Dark blue flowers and lush foliage. 3 to 4 ft. June.

Aquilegia, Super-Spurred Colossal

A strain of gigantic-sized blooms, measuring 5 to 6 inches across, with spurs 4 inches long, covering a range of over 50 colors. 50 cts. each, \$5.50 per doz.

ARABIS. *Rock-Cress.* ★ These make a wonderful spring display and are good for rock-gardens and as edgings for paths and borders. They are especially effective when associated with subjects like aubrietia and alyssum.

Albida fl.-pl. Pure white, fully double flowers, sweetly scented and resembling stocks. 9 in. May.

Rosabella. Very compact, with delicate pink flowers. 6 in. May.

Snowcap. Compact habit, with single white blossoms. 6 to 9 in. April.

Above varieties, \$1 for 3, \$3.75 per doz.

ARENARIA montana. *Sandwort.* ★ A fine rock-plant with very large snow-white flowers in early spring. Excellent for walls.

ARMERIA. *Thrift; Sea-Pink.*

Cæspitosa. Rare and beautiful. Neat tufts of stiff green foliage studded with pale pink flowers. 3 in. June. \$1 for 3, \$3.75 per doz.

Farmingdale Giants. A selected strain of giant-flowering Thrifts with stems 2 to 2½ feet high. Excellent for cutting. Many shades of pink, salmon, strawberry, etc. July, Aug. \$1.20 for 3, \$4.50 per doz.

ARTEMISIA, Silver King. *Ghost Plant.* A very decorative plant with white, finely cut leaves. Excellent in the perennial border to accentuate the beauty of flowering plants. 3 to 4 ft.

Other Artemisias

Our list of herbs on pages 72 and 73 includes: *A. Abrotanum*, *A. Absinthium*, *A. Dracunculus*, *A. frigida*, *A. lactiflora* and *A. Stelleriana*.

PRICES, unless otherwise noted, 90 cts. for 3, \$3.25 per doz. Purchaser pays transportation beyond 50 miles of New York

★ Dwarf plants for the Rock-garden and edging the Perennial Border

GROWN ON OUR LONG ISLAND FARM



Aster Frikarti



Astilbe or Spiraea



Begonia Evansiana

Aster • Michaelmas Daisy

Provide a wealth of bloom in September and October, and are as invaluable as chrysanthemums. Splendid for borders and also for naturalizing in woodland plantings. They thrive anywhere but have a preference for sandy loam and a dislike for overcrowding. The dwarf varieties provide much-needed fall color in the rock-garden.

Novæ-angliæ.

Barr's Pink. Large; bright pink. 5 ft. Sept., Oct.

Harrington's Perfected Pink. The finest pink Aster yet introduced. A clear, soft pink. 4 to 5 ft. Sept., Oct. \$1.50 for 3, \$5.50 per doz.

Mt. Rainier. Pure white. A rare and beautiful novelty. 4 to 5 ft. Sept., Oct. \$1.50 for 3, \$5.50 per doz.

Mrs. J. F. Raynor. Strong grower with crimson flowers. 5 ft. Sept.

Mrs. S. T. Wright. A rich purple. 5 ft. Sept.

Red Cloud. Pure deep pink. A rare and very fine novelty. 4 to 5 ft. Sept., Oct. \$1.50 for 3, \$5.50 per doz.

Novæ-belgi. All varieties flower in September and October.

Alderman Vokes. Rosy pink flowers in great profusion. 3 ft.

Beechwood Challenger. One of the best reds. 3 ft. \$1.20 for 3, \$4.50 per doz.

Blue Eyes. Fine lavender-blue. 3 ft.

Blue Gem. Semi-double; perfect clear deep blue. 4 ft.

Charles Wilson. A unique color, vivid cerise-pink. 3½ ft.

Glory of Colwall. Large; double; pale silvery mauve. 4 ft.

Little Boy Blue. Bright blue semi-double flowers. 1½ ft.

Little Pink Lady. Large, semi-double, rich pink flowers. 1½ ft.

Mount Everest. Large pure white flowers in great profusion. 4 ft.

Mulberry. A really new color—mulberry-red. 3 to 4 ft.

Queen Mary. Very large soft lilac-blue flowers with golden centers. 4 to 5 ft.

Above varieties, except where otherwise noted, \$1 for 3, \$3.75 per doz.

Aster novi-belgi, continued

Red Rover. One of the deepest of the reds. 3 ft.

Royal Blue. Myriads of large deep blue flowers. 3½ ft.

Royal Pink. One of the best. Literally smothered with bright pink flowers.

Skylands Queen. Large flowers of an attractive powder-blue. 3 ft.

Strawberries and Cream. Novelty. The flowers open deep pink, changing to a softer pink, the whole plant having a color combination distinctly its own. 4 ft. \$1.50 for 3, \$5.50 per doz.

Ypres. Rust-colored flowers which smother a 3½-foot plant of pyramidal habit.

Above varieties, except where otherwise noted, \$1 for 3, \$3.75 per doz.

ASTER, Dwarf Hybrids.

Countess of Dudley. ★ Clear pink.

Lilac Time. ★ Bright mauve.

Nancy. ★ Rose-pink.

Ronald. ★ Soft lilac.

Snowsprite. ★ Pure white.

Victor. ★ Pale blue.

ASTER, Various Species.

Alpinus, Goliath. ★ Large blue flowers with orange centers. 1 ft. June. \$1.20 for 3, \$4.50 per doz.

Amellus, King George. Large rich violet flowers. 2 ft. July. \$1.20 for 3, \$4.50 per doz.

Frikarti. Very free flowering, producing charming blue flowers of large size. One of the finest perennials of today. 2 ft. Aug.-Oct. \$1.50 for 3, \$5.50 per doz.

Hybridus luteus. Myriads of small starry yellow flowers on graceful stems. Compact. 2 ft. July-Sept.

Mauve Cushion. ★ A cushion-like plant with silvery mauve flowers. 6 in. Oct.

ASTILBE. *Spiræa*. These fine summer-flowering plants, with their graceful ferny leaves and spikes of soft plummy flowers, revel in rich, damp soil.

Amethyst. Deep violet-purple. 2 ft. June.

Bergistol. Fine white-flowered variety. 3 ft. June.

Gladstone. Fine white. 1½ ft. June.

Gloria superba. Dwarf. Deep pink. 2 ft. June.

Rhineland. Delicate pink. 2 ft. June.

Salland. Tall red blooms. 4 ft. 75 cts. each, \$8 per doz.

Above Astilbes, except where otherwise noted, \$1.50 for 3, \$5.50 per doz.

AUBRIETIA. *Purple Rock-Cress.* These produce carpets 3 to 4 inches high, blanketed with flowers in April. They are recommended for rock-gardens, walls, and bordering paths.

Dr. Mules. ★ Violet-purple.

Graeca. ★ Mauve.

J. S. Baker. ★ Blue with white eye.

Monarch, Mixed. ★ A rainbow assortment of strong hybrids.

AURICULA. See *Primula auricula*.

BAPTISIA australis. *False Indigo.* Handsome plant with attractive foliage. Racemes of deep blue flowers. June. 3 ft.

Begonia Evansiana

A perfectly hardy Begonia which will live outdoors during the winter if protected with just a few leaves. Showy pink flowers borne with the greatest profusion during September and October. 2 to 2½ ft. Plants in 3-in. pots, 50 cts. each, \$5.50 per doz.

BOLTONIA. *Bolton's Starwort.* These have the appearance of Michaelmas daisies, but flower in August. Excellent for planting in wild gardens or for that bit of ground where "Nothing will grow."

Asteroides. Single; white. 5 ft.

Latisquama. Lilac-pink. 5 ft.

BRUCKENTHALIA spiculifolia. *Spike's Heath.* ★ Dwarf, evergreen, heath-like shrub with pink flowers in July. Plants in 3-in. pots, 50 cts. each, \$5.50 per doz. Large, field-grown clumps, 75 cts. each, \$8 per doz.

BUDDLEIA. *Butterfly Bush.* See page 91.

CALLUNA. *Heather.* ★ These hardy, dwarf, evergreen flowering shrubs are natives of the moors of Scotland. They need a peaty soil and are well adapted for rock-gardens and for planting banks where they are ornamental throughout the year.

Vulgaris alba. White flowers in August. 6 to 8-in. plants, \$1.50 for 3, \$5.50 per doz. 12 to 15-in. plants, 75 cts. each, \$8 per doz.

Vulgaris aurea. Rose-pink flowers in August. Handsome golden foliage. 6 to 9-in. plants, 75 cts. each, \$8 per doz.

Vulgaris rosea. Dark green foliage. Pink flowers in August and September. 9 to 12-in. plants, 75 cts. each, \$8 per doz.

PRICES, unless otherwise noted, 50 cts. for 3, \$3.25 per doz. Purchaser pays transportation beyond 50 miles of New York

★ Dwarf plants for the Rock-garden and edging the Perennial Border



Campanula persicifolia fl.-pl.

Campanula • Bellflower

These beautiful spring and summer flowering plants are most suited for the rockery and border. They are of easy culture.

Carpatica. ★ A compact-growing plant 6 inches high. Large clear blue flowers. July. \$1 for 3, \$3.75 per doz.

Carpatica alba. ★ White counterpart of the above. \$1 for 3, \$3.75 per doz.

Celtidifolia, E. Molyneux. Large panicles of pale blue flowers in great profusion in July and if cut back will flower again in the fall. 2½ ft. \$1 for 3, \$3.75 per doz.

Garganica. ★ Trailing habit. Covered with deep blue, starry flowers in July. \$1 for 3, \$3.75 per doz.

Glomerata superba. Terminal heads of rich purple flowers. 1½ ft. July. \$1 for 3, \$3.75 per doz.

Leutweini. ★ A novelty dwarf Campanula 6 inches high, for the rock-garden or border, having large, very pale blue flowers. June. \$1.50 for 3, \$5.50 per doz.

Persicifolia alba. Snow-white bells 1½ inches in diameter produced on long, wiry stems. June. \$1 for 3, \$3.75 per doz.

Persicifolia, Blue Gardenia. Gardenia-flowered Bellflower. New and rare. Double flowers of a beautiful shade of blue, gardenia-like in form, gracefully arranged along the entire length of the stems. It blooms in June and July, with five to eight spikes per plant. A fine cut-flower, lasting a week or more in water; it has leathery, dark green foliage. Height 30 in. \$1 each, \$10 per doz.

Persicifolia fl.-pl. A good border plant with pale blue, double flowers. Fine for cutting. July. \$1.20 for 3, \$4.50 per doz.

Persicifolia, Telham Beauty. Long, wiry 3-foot stems with large, single, silvery lavender-blue bells. July. \$1.50 for 3, \$5.50 per doz.

CANTERBURY BELLS. We offer these grand old-fashioned border plants which provide a wealth of blooms in June and July.

Single
Light Blue
Dark Blue
Pink
White
Mixed

Double
Light Blue
Dark Blue
Pink
White
Mixed

Cup and Saucer Bells

Pink White Mixed
Light Blue Dark Blue



Caryopteris

Carnations

These hardy plants prefer a well-drained soil and a sunny location. The flowers, which are produced from June until autumn, are large and of the most beautiful colors.

Perpetual Large-flowering. Stock raised from the best imported English seed. Very vigorous. \$1.50 for 3, \$5.50 per doz.

Perpetual Border, mixed. Smaller flowers but in much greater profusion. Very sweetly scented. \$1.20 for 3, \$4.50 per doz.

CARYOPTERIS Mastacanthus superbus. Mustache Plant. A shrubby perennial growing to a height of 3 feet. The long branches are covered with whorls of most attractive flowers in September and October. Blue, Pink, or White. Strong plants, \$1 for 3, \$3.75 per doz.

CENTAUREA macrocephala. Centaury. The globe-thistle-like flowers of a rich yellow make a striking picture in the garden. 3 ft. July.

Ruthenica. Lemon-yellow, thistle-like flowers. 3½ ft. Aug.

CERASTIUM tomentosum. Snow-in-Summer. ★ A beautiful plant with silvery white foliage. Excellent for rock-gardens or for edging walks. Masses of snowy white flowers in June and July. 6 to 8 in.

CHELONE barbata, Pink Beauty. Beard-Tongue. Long spikes of shell-pink, double flowers. 3 ft. Aug.

Barbata Torreyi. Tubular flowers of vivid red. 3 ft. Aug.

CHRYSOOGONUM virginianum. Golden Knee. ★ A wonderful ground-cover for sun or partial shade. The plant grows 4 to 6 inches high and requires a rich humusy soil. Its bright starry golden yellow flowers, which are produced from May to Aug., and handsome dark green foliage make a striking color combination. \$1.20 for 3, \$4.50 per doz.

CHRYSANTHEMUM maximum. Shasta Daisy. All are of very easy culture and most suitable for cutting.

Alaska. Large white flowers 3 inches across. 2 ft. June.

Conqueror. Pure white flowers. A very strong grower. 3½ ft. July.

Dwarf Avalanche. An ideal plant for the front of the herbaceous border. Very floriferous. 1 ft. July.

Earliest of All. Large pure white flowers in early June. 2 ft.

Mayfield Giant. Snow-white flowers of great size on 3 to 4-foot stems. Aug.

CHRYSANTHEMUM leucanthemum, White Swan. A double white Shasta Daisy flowering in June and July. Fine for cutting. 2½ ft. \$1.20 for 3, \$4.50 per doz.

CHRYSANTHEMUM nipponicum. A very hardy shrubby specimen with large leathery leaves. Its 2-inch, pure white flowers are produced in late August. 2½ ft.

Single Korean Chrysanthemums

We have picked out the following six varieties and these are, in our estimation, the best. They are all of good habit, early flowering (late September and October), and have good foliage. 2½ to 3 ft.

Ceres. Old-gold, blended with chamois-yellow and soft coppery bronze.

Hebe. Soft luminous pink flowers with a delicate silvery halo.

Innocence. Dwarf plant growing to 1½ feet high. Pure white flowers changing to soft pink.

Nancy Copeland. Splendid Chrysanthemum with 3½-inch flowers of brilliant spectrum red.

Orion. Brilliant canary-yellow, not so strong as the others.

Saladin. Brilliant Chinese red shading to coral-red with copper overtones.

Mixed. All colors; not named.

All the above Chrysanthemums, \$1 for 3, \$3.75 per doz.

Double Korean Chrysanthemums

These are the best of the many varieties available. All are strong growers and, like the single Koreans, provide a wealth of color in late September and October. All grow about 2½ feet high.

Burgundy. Stiff, strong stems. Rich, glowing, wine-colored flowers.

King Midas. Very large deep yellow flowers 4 inches in diameter.

Lavender Lady. A splendid novelty. Very large flowers, 4 inches in diameter, of an exquisite lavender-orchid.

Mandarin. A beautiful blending of coral, salmon, copper, and bronze.

Pale Moon. Large flowers of palest shimmering yellow.

Roberta Copeland. Coppery pink petals, buff on the underside, making a beautiful combination.

Rose Glow. Vivid raspberry-pink. Extremely floriferous.

Symphony. A stunning combination of mauve, rose, and coppery rust.

Mixed. All colors; not named.

All the above Chrysanthemums, \$1.20 for 3, \$4.50 per doz.

Two Novelty Chrysanthemums (Early-flowering)

These two varieties are new perennial introductions of great worth. Commencing to flower in late July, they continue until October. They are at their best in August when a plant will have literally hundreds of blooms.

Anna Hay. Large, single, flesh-pink flowers with yellow centers. 2½ ft.

Clara Curtis. Deep pink, single flowers with yellow centers. 2½ ft.

Both the above varieties, 2½ cts. each, \$5.50 per doz.

PRICES, unless otherwise noted, 90 cts. for 3, \$3.25 per doz. Purchaser pays transportation beyond 50 miles of New York
★ Dwarf plants for the Rock-garden and edging the Perennial Border

SCOTCH SOOT (Imported)

is an excellent dressing around your Delphinium roots. Deters insects and builds up a resistance to disease. 10 lbs. \$1.75

Other Double Chrysanthemums

- Amelia** (*Azaleamum*). Perfect habit. Lilac-pink flowers up to 3 inches across, with 300 to 400 blooms on a plant. 15 in. Aug.
- Frances Whittlesey**. A large-flowered variety with beautiful bronze-garnet flowers. 2½ ft. Mid-Oct.
- Granny Scovill**. An old variety with well-formed flowers of coral-bronze. 2½ ft. Mid-Oct.
- Jean Cumming**. Very large snow-white flowers, fine for cutting. 2½ to 3 ft. Late Oct.
- Jean Treadway**. Lovely sparkling pink with a deeper pink center. 2 ft. Oct.
- October Girl**. A very large sparkling pink. 2 to 2½ ft. Oct.
- R. Marion Hatton**. Rich canary-yellow flowers produced in sprays. 3 ft. Oct.
- Sequoia**. One of the most beautiful of the early-flowering hardy varieties. Blooms 4 to 5 inches across, of a lovely buff color with a deeper center. 2½ ft. Early Oct.
- Tasiya**. A dwarf plant with many large pure white flowers. 1½ ft. Oct.
- Mixed**. All colors; not named.

Pompon Chrysanthemums

- Irene**. Often has 300 white buttons on a plant; long stiff stems. 2½ ft. Oct.
- Judith Anderson**. Brilliant yellow buttons, shading to orange. 2 to 2½ ft. Oct.
- Lilian Doty**. Large incurved pink Pompons. 3 ft. Oct.
- Petit Jean**. Pale pink Pompon. 2½ ft. Oct.
- Sonny Boy**. A bright light yellow Pompon. 1½ ft. Sept.
- Mixed**. All colors; not named.

Northland Daisies

They are selections from thousands of seedlings of *Astrid*, after eliminating all but the earliest and sturdiest. Heavy crowns which produce symmetrical plants without pinching, and in early October are covered with flowers. These have been awarded Silver Medals at the New York Florists' Club and the World's Fair. They gained a Special award at the Long Island Horticultural Society.

- Brunhilde**. Bronze, tinged pink. Double row of long, narrow petals.
- Freja**. Light pink; double row of petals. Dwarf, compact plant.
- Igloo**. Large pure white.
- Kristina**. Large flowers with wide long petals of deep rose-pink.
- Rheingold**. Yellow-bronze. Broad, closely spaced petals.
- Siegfried**. Rich yellow. Long, broad petals. Upright globular plant.
- Viking**. Burnt-orange; very long-pointed petals. Plant is mound-like.

All have yellow centers. Your choice, \$1.20 for 3, \$4.50 per doz.

COLLECTION NO. 105

- 1 each of 7 varieties.....\$2 50
3 each of 7 varieties (21 plants).....7 00
12 each of 7 varieties (84 plants).....25 00

Spoon Chrysanthemums

A novelty, unusual in the flower formation. Blooms are fully double, but the tip of each tubular petal flares out in a spoon shape. We offer **Pink, White, and Yellow**. \$1.50 for 3, \$5.50 per doz.

COLLECTION 104C

- 1 each of 3 colors.....\$1 50
3 each of 3 colors.....4 25



Spoon Chrysanthemum

- COREOPSIS**. *Tickseed*. Old-fashioned border plants of very easy culture. Great profusion of flowers in July and Aug.
- Mayfield Giant**. An improvement on the old *C. grandiflora*, with larger yellow flowers and longer stems. 3 ft.
- Perry's Variety**. Beautiful semi-double flowers of rich golden yellow. 2½ ft.
- Verticillata**. ★ Dwarf, compact plant 9 to 12 inches tall. Myriads of starry orange flowers from June until September.
- CYNOGLOSSUM nervosum**. A very choice plant of easy culture, with brilliant gentian-blue flowers in July. 1½ ft.

Daphne Cneorum • Garland Flower

★ A dwarf evergreen shrub with clusters of bright pink, intensely fragrant flowers in May, and again in September. It enjoys a sandy, peaty soil. 8 to 10-in. plants, 90 cts. each, \$10 per doz.; 12 to 15-in. plants, \$1.50 each, \$16 per doz.

Sawco Long-Island-Grown

Delphiniums • Perennial Larkspurs

The Delphinium is aptly named the king of border plants, and despite the general opinion that it is of difficult culture, quite the opposite has been our experience, provided a few simple requirements are taken care of. First, the plants must have a well-drained soil; secondly, they need a menu of bonemeal, and careful additional feedings of Nitrophoska and Scotch Soot. In the early spring, spray with Bordeaux. Should mildew appear later in the season, dust with sulphur.

- Wave Crest Blue Shades**. One-year plants. A very delicate strain of pale and light blue. 75 cts. each, \$8 per doz.
- Delft Blue Shades**. One-year plants. True blue of decided beauty. 75 cts. each, \$8 per doz.
- Salon Blue Shades**. One-year plants. This strain abounds in rich dark velvety tints. 75 cts. each, \$8 per doz.
- Super-Gold Medal Hybrids**. A splendid color-range from light blue to deep purple. Yearling plants, 90 cts. for 3, \$3.25 per doz.; 1-yr. plants, \$1 each, \$11 per doz.; 2-yr. plants, \$1.50 each, \$16 per doz.
- Hollyhock Strain**. These are the well-known Wrexham Hybrids of fine form which provide a splendid color-range. \$1.50 for 3, \$5.50 per doz.



Daphne Cneorum (Garland Flower)

DELPHINIUM, continued

- Belladonna**. Clear turquoise-blue with a glistening sheen. 90 cts. for 3, \$3.25 per doz.; 2-yr.-old plants, \$1 each, \$11 per doz.
- Belladonna, Cliveden Beauty**. Bright sky-blue flowers on very large spikes. 4 ft. July. \$1.20 for 3, \$4.50 per doz.
- Bellamosa**. A dark blue form of *Belladonna*. The two go very well together.
- Chinensis**. This, the well-known Chinese Delphinium, has deep blue flowers and finely cut foliage. 2 ft. July.
- Chinensis alba**. A white form of the above.
- PACIFIC HYBRIDS**. These plants with their very fine foliage and long, well-balanced spikes of flowers, are extremely vigorous and very resistant to disease.
- Blue Jay**. Bright blue with grey overtones.
- King Arthur Series**. Brilliant royal violet.
- Guinevere Series**. Light lavender-pink.
- Summer Skies Series**. Clear light blue.
- White Series**. Clear glistening white.
- The Pacific Hybrids are \$1.50 for 3, \$5.50 per doz.

DIANTHUS. *Garden Pinks*. Beautiful plants of compact habit with fragrant flowers.

- Beatrix**. ★ Light salmon-pink, exquisitely scented flowers from May until November. 9 in.
- Silvermine**. ★ *Novelty*. Exactly like *Beatrix* except that the flowers are pure white. \$1.50 for 3, \$5.50 per doz.
- Her Majesty**. ★ Large pure white, intensely fragrant flowers. 1 ft. June.
- New Blue**. The foliage of this splendid novelty is dark green. Its flowers, which resemble a sweet william, are profusely borne on 9-inch trusses and are of the most exquisite lavender-blue color. July-Sept. \$1.50 for 3, \$5.50 per doz.
- Scotch or Florists' Pinks**. A wide range of colors in single and double. 1 ft. June.
- Barbatus**. See *Sweet William*.
- DICENTRA**. *Bleeding-Heart*.
- Eximia**. *Fringed Bleeding-Heart*. ★ A dwarf-growing plant with finely cut fern-like leaves and racemes of rose-pink flowers. Requires a woody soil. 1 ft. Apr. \$1.20 for 3, \$4.50 per doz.
- Spectabilis**. The very graceful, old-fashioned *Bleeding-Heart* which produces beautiful, bright rose, heart-shaped flowers on slender stems. \$1.50 for 3, \$5.50 per doz.

PRICES, unless otherwise noted, 90 cts. for 3, \$3.25 per doz. Purchaser pays transportation beyond 50 miles of New York

★Dwarf plants for the Rock-garden and edging the Perennial Border



Fuchsia, Scarlet Beauty

DIGITALIS. *Foxglove.* Valuable plants for borders, woods, and wild gardens, with lush foliage and long spikes of beautiful tubular flowers.

Giant Shirley. In separate colors: pink white, purple, yellow and mixed. 5 to 6 ft. June.

DORONICUM. *Leopard's Bane.* Exceptionally handsome early-flowering perennials of very easy culture in ordinary garden soil, in sun or semi-shade. Excellent for cutting.

Clusi. ★ Bright yellow flowers on 9-inch stems. May.

Excelsum. Yellow flowers 2 to 3 inches in diameter on 2½-foot stems. May.

Pardalianches. *Golden-bunch Doronicum.* Bright yellow. 2½ ft. June.

Above varieties, \$1 for 3, \$3.75 per doz.

ECHINOPS Ritro. *Globe Thistle.* A striking plant with handsome, silvery, thistle-like foliage and metallic-blue flowers. 3 to 4 ft. July.

EPIMEDIUM. *Barrenwort.* ★ These dainty little plants are especially suitable for rock-gardens and semi-shady nooks. Ornamental foliage and fairy-like flowers.

Macranthum niveum. Myriads of delicate white flowers in May and June. 1 ft.

Macranthum roseum. A gem with its rosy pink flowers. 12 to 15 in. May, June.

Rubrum. Ferny foliage and deep ruby flowers in May. 12 to 15 in.

Sulphureum. Pale sulphur flowers. 1 ft. May.

The above Epimediums are \$1 for 3, \$3.75 per doz.

COLLECTION NO. 106

3 each of above 4 varieties (12 plants) \$3.75
 12 each of above 4 varieties (24 plants) \$6.50
 12 each of above 4 varieties (48 plants) \$12

ERICA. *Heath.* ★ See also *Calluna*. Dwarf evergreen shrubs suitable for the rock-garden, border, or shrubbery.

Carnea. A plant of very compact habit. The buds form in the late fall and flowers are produced intermittently throughout the winter until finally, in March and April, the plant is smothered with its charming bright rose flowers. 9 in.

Carnea alba. A beautiful white-flowered form of the above.

Carnea, King George. A new hybrid with vivid dark red flowers.

Above Ericas, \$1.20 for 3, \$4.50 per doz.

PRICES, unless otherwise noted, 90 cts. for 3, \$3.25 per doz. Purchaser pays transportation beyond 50 miles of New York

★Dwarf plants for the Rock-garden and edging the Perennial Border

ERICA, continued

Mediterranea. This beautiful pink-flowered Heath grows about 2½ feet high. July, Aug.

Vagans. A dwarf, compact Heath with spikes of flesh-pink blooms in August.

Vagans, St. Keverne. A new hybrid in a lovely sparkling pink. 1½ ft. July.

Above Ericas, \$1.20 for 3, \$4.50 per doz.

ERODIUM chamædryoides. *Heron's Bill.*

★ The foliage is in the form of a neat tufted rosette from which arise the beautiful pink flowers on 2-inch stems. June. \$1 for 3, \$3.75 per doz.

EUPATORIUM. *Hardy Ageratum.* Robust plants especially suitable for herbaceous borders and wild and woodland gardens.

Ageratoides. Pure white flowers and dark green leaves. 2 ft. Aug.

Celestinum. This pretty plant, with its light mauve-blue flowers, is excellent when associated with other fall-flowering plants. 2 to 3 ft. Aug.

Fuchsia, Scarlet Beauty

It is of upright habit and blooms freely during the entire summer. While it will stand the full sunlight, it delights in semi-shade. The four sepals are deep purple, the corolla bright ruby-red. Requires some protection north of Philadelphia. 3-in. pot-plants, \$1.50 for 3, \$5.50 per doz.

FUNKIA. *Plantain Lily.* This hardy plant from Japan is especially suitable as a foliage plant in dark and shady places.

Fortunei robusta. Glauous green foliage. Lilac-blue flowers. 2 ft. July.

Lancifolia albo-marginata. Striking green and white variegated foliage. Blue flowers. 2 ft. July.

Subcordata grandiflora. Large leaves of refreshing green and tremendous spikes of pure white flowers. 1½ to 2 ft. July.

Gaillardia - Blanket Flower

Produce a continual display of richly colored flowers from June until October and are unsurpassed for their brilliance.

Burgundy. Brilliant coppery scarlet. 2½ ft.

Goblin. A dwarf variety. Bright yellow flowers with a deep red zone. 12 to 15 in.

Mr. Sherbrook. A grand variety with large round flowers of pure yellow, on long stems. 2 ft. \$1.20 for 3, \$4.50 per doz.

Portola. Coppery scarlet flowers margined with gold. 2½ ft.

Ruby. A ruby-red companion of Mr. Sherbrook; effective when planted together. 2 ft. \$1.20 for 3, \$4.50 per doz.

S. & W. Giant Hybrids. A grand strain from all the best hybrids. 2½ ft.

The Imp. ★ *Novelty.* Large, bronze-crimson flowers on 4-in. stems. A compact mound 18 to 24 inches across. \$1.50 for 3, \$5.50 per doz.

GENTIANA acaulis Clusi. *Gentian.* ★ Vigorous grower, of simple culture. The flowers, which are 2 to 3 inches long and 1 inch in diameter, make their first appearance through the snow in March, continuing throughout April, and again in the late fall. Plant in partial shade. \$1.20 for 3, \$4.50 per doz.

GERANIUM pectinatum. *Crane's-Bill.* ★

A very pretty plant of compact habit with most attractive small Geranium-like leaves and rosy pink flowers. 1½ ft. \$1.20 for 3, \$4.50 per doz.

GERBERA. *Transvaal Daisy.* These beautiful new hybrids have daisy-like flowers 4 to 5 inches in diameter, in a grand variety of brilliant colors, embracing shades of red, orange, salmon, rose, to white and yellow. They grow 2 feet high and are excellent for cutting, often lasting two weeks in water.

Jamesoni Hybrids, Single. A splendid mixture of all shades. July-Oct. \$1.50 for 3, \$5.50 per doz.

Jamesoni Hybrids, Double. Perfectly double flowers of the most beautiful pastel shades. 75 cts. each, \$8 per doz.

Geum - Avens

Beautiful, hardy, low, compact plants from which arise the graceful stems bearing their bright-colored blossoms.

Dolly North. Semi-double flowers of rich apricot. 2 ft. June-Sept.

Fire Opal. Semi-double, orange-scarlet flowers. Very striking. 2 to 2½ ft. June-Sept.

Princess Juliana. Very large, semi-double flowers of pure orange. June-Sept.

Wilton Ruby. ★ *Novelty.* Semi-double, brilliant ruby flowers with orange overtones. 1½ ft. July-Sept.

All above Geums, \$1.50 for 3, \$5.50 per doz.

Gypsophila - Baby's Breath

They are excellent, in fact essential, for summer bouquets, and in the border their light, airy appearance will greatly enhance all other perennials.

Acutifolia. Lilac-rose flowers in light, graceful panicles. 3 ft. July.

Bristol Fairy. Very graceful, and one of the most popular varieties for cutting, having huge panicles of pure white double flowers. 4 ft. July, Aug. 1-yr. pot-plants, \$1.20 for 3, \$4.50 per doz.; 2-yr. field-grown, 60 cts. each, \$6.50 per doz.

Pacifica. Rose-colored sort, flowering later than *Paniculata*. 2½ to 3 ft. Aug.

Paniculata. Masses of small, pure white, single flowers. 2½ to 3 ft. July.

Repens Bodgeri. ★ A dwarf variety, excellent for edgings and the rock-garden. Very light pink, double flowers. 1 ft. \$1.20 for 3, \$4.50 per doz.



Gerbera

KNEEL AMONG YOUR PLANTS

in comfort, and without risk of catching cold; order the new waterproof KNEE PADS \$1.50 per pair

HELIANTHUS. *Perennial Sunflower.* Tall, choice border plants, fine for naturalizing and for providing an abundance of cut-flowers in late summer.

Monarch. Large, deep yellow-orange, single flowers. 5 ft. Aug., Sept.

Soleil d'Or. Double, 3-inch dahlia-like flowers of rich yellow. Excellent for cutting. 4 to 5 ft. July until late Sept. \$1.20 for 3, \$4.50 per doz.

HELIOPSIS. *North American Ox-Eye.* Very choice perennial, easily grown anywhere, its only requirement being plenty of sunshine.

Heliopsis patula. *European novelty.* Rich cadmium-yellow; 3 rows of erect petals. A splendid companion to *H. incomparabilis*. 50 cts. each, \$5.50 per doz.

Incomparabilis. *Novelty.* A grand plant that blooms in June and July; if cut back then it will start again in September and bloom until frost. The individual flowers are 3 inches across and of the richest golden yellow. 2½ to 3 ft. \$1.50 for 3, \$5.50 per doz.

Helleborus

(*Hellebore; Christmas Rose; Lenten Rose*)

The Hellebores need a deep rich soil and semi-shade. They look very well planted at the base of a broad-leaved evergreen, or in a sheltered nook in the rock-garden. Once planted they should not be disturbed; then, after a period of a year or so, they will throw their beautiful flowers in ever-increasing profusion.

Caucasicus. A strong-growing plant with greenish white flowers, from March to April. 1½ ft. 75 cts. each, \$8 per doz.

Niger. *Christmas Rose.* Big, dark green, leathery leaves and very large white flowers which are produced from December until February. 1 ft. \$1 each, \$11 per doz.

Orientalis. *Lenten Rose.* These beautiful flowers range in color from white to pink, rose, and deep plum, and bloom from late February until April. Mixed colors only. 1 ft. \$1 each, \$11 per doz.

COLLECTION No. 107A

One each of above 3 varieties, \$2.50



Helleborus niger

HELENIUM. *Sneezewort.* Fall-flowering perennial of easy culture. The flowers have warm autumn tints; excellent for cutting.

Browngold. *Novelty.* Flowers are a combination of coppery orange and old-gold, in a shot-silk effect. 4 to 5 ft. July-Sept. 50 cts. each, \$5.50 per doz.

Riverton Beauty. Lemon-yellow. 4 to 5 ft. Aug., Sept.

Riverton Gem. Crimson-brown, shot with gold. 4 to 5 ft. Aug., Sept.

HELIANTHEMUM. *Sun Rose.* ★ Dwarf, evergreen, shrubby plants with myriads of brilliantly colored flowers in June and July. 6 to 10 in. We offer in Yellow, Orange, Scarlet, Pink, White, or Mixed.

Hemerocallis • Day-Lily

The tall, graceful grass-like foliage sets off the charming fragrant lily-like flowers very effectively. We are now able to offer varieties which carry the blooming season from May until July. After each variety is the date on which the first blooms appear at our perennial farm. The season of bloom for each is from 4 to 6 weeks.

Bay State. Large orange flowers. 3 ft. June 25. 50 cts. each, \$5.50 per doz.

D. D. Wyman. Large; golden yellow with brown bars. 3 ft. June 17. 50 cts. each, \$5.50 per doz.

Dover. Large; golden yellow. Early. May 25. 2½ ft. 50 cts. each, \$5.50 per doz.

Dr. Regel. Rich orange-yellow; fragrant. 2 ft. May 20.

George Yeld. Large; golden yellow with brown suffusion. 3½ ft. July 1. 50 cts. each, \$5.50 per doz.

Gold Dust. Orange flowers in profusion. 2½ ft. May 25.

Golden Dream. Deep golden yellow. 3 ft. June 8. 50 cts. each, \$5.50 per doz.

Goldeni. Golden yellow. 3 ft. June 8.

Gypsy. Very deep orange. 4 ft. June 17. 50 cts. each, \$5.50 per doz.

Hyperion. Citron-yellow. Considered the finest. 3½ ft. 75 cts. each, \$8 per doz.

J. A. Crawford. Fine apricot-yellow. 4 ft. June 17. 50 cts. each, \$5.50 per doz.

Lemona. Beautiful large pale yellow flowers. 3½ ft. June 17. 75 cts. each, \$8 per doz.

Mikado. New. Rich orange-purple shading. 75 cts. each, \$8 per doz.

Mrs. W. H. Wyman. Large flowers of rich golden yellow. 3½ ft. July 1. 50 cts. each, \$5.50 per doz.

Ophir. Tall; lemon-yellow. 4 ft. June 25. 50 cts. each, \$5.50 per doz.

The Gem. Pale gold. 3 ft. June 15. 50 cts. each, \$5.50 per doz.

Super-Collection of Hemerocallis No. 107B

1 plant each of the above 6 varieties marked ■, value \$3.25, \$2.75

3 plants each of the above marked ■, \$7.50

HEUCHERA. *Alum-Root; Coral Bells.* ★ Splendid plants of compact habit. Graceful spikes of flowers.

Bloom's Variety. Large, rich red flowers on 18-inch stems. Pretty mottled foliage.

Oakington Jewel. Vigorous spikes of many small coral-pink bells. Beautiful dark mottled foliage.

Snowflake. Sturdy 18-inch spikes of large pure white flowers.

Above Heucheras, \$1.20 for 3, \$4.50 per doz.

Rain of Fire. Bright rose-red. 1 ft. July. \$1 for 3, \$3.75 per doz.



Hollyhock, Haile Selassie

Hollyhocks

(*Althea rosea.*) These old favorites, gay with color during July and August, are striking as a background for other flowers in the perennial bed and in the shrubbery.

Prince of Orange. Double flowers of a brilliant orange hue.

SUPERB DOUBLE HOLLYHOCKS.

Chamois	Salmon-Pink
Deep Rose	Scarlet
Maroon	White
Newport Pink	Yellow
Double, Mixed	

SUPERB SINGLE HOLLYHOCKS.

Apricot	Purple	Yellow
Lilac	Scarlet	Single, Mixed
Pink	White	

Novelty Sensation

Haile Selassie. *The Black Hollyhock.* We are proud to introduce this marvelous new double Hollyhock which was a sensation at the New York World's Fair. The plants grow 6 to 8 feet high, with large, perfectly set flowers of a dark chocolate color which is further enhanced by beautiful pale yellow stamens. 50 cts. each, \$5.50 per doz.

HIBISCUS. *Mallow.* Strong-growing perennials with beautiful flowers 4 to 5 inches in diameter in August. 5 to 6 ft.

Mallow Marvels. Red, White, and Pink.

White-with-Crimson-Eye, Pink, and Red. 1-yr. plants, 90 cts. for 3, \$3.25 per doz.; extra-heavy 2-yr. plants, \$1.20 for 3, \$4.50 per doz.

HERBS. *Mint, Sage, Thyme* and many other culinary and fragrant herbs are described and offered on pages 72 and 73. Interesting plants, also, that held high place in medieval medicine.

PRICES, unless otherwise noted, 90 cts. for 3, \$3.25 per doz. Purchaser pays transportation beyond 50 miles of New York

★Dwarf plants for the Rock-garden and edging the Perennial Border



Crested Iris



German Iris



Japanese Iris



Siberian Iris



Miniature Iris

Iris germanica • German Iris; Flag

These beautiful flowering plants are one of the mainstays of the garden. They are all of easy culture, simply requiring a well-drained soil and plenty of sun. Care should be taken not to plant too deeply. They are at the height of their splendor in June.

Alta California. Beautiful large yellow. 4 ft. \$1.50 for 3, \$5.50 per doz.

Ambassadeur. Standards rosy lilac; falls rich purple.

Athene. Tall bearded white. \$1.50 for 3, \$5.50 per doz.

Bluet. Pale blue, self-colored. Early.

Dauntless. Velvety near-red. 40 in. \$1.20 for 3, \$4.50 per doz.

Dazzler. Deep rose; very fragrant. 75 cts. each, \$8 per doz.

Euphony. Fine yellow; falls flushed blue. 3 ft. \$1 for 3, \$3.75 per doz.

Evolution. Tall bearded, self-colored yellow. \$1.50 for 3, \$5.50 per doz.

Freida Mohr. A giant-flowering pink variety. 75 cts. each, \$8 per doz.

Goblin Red. Ox-blood-red. Quite distinct. \$1.50 for 3, \$5.50 per doz.

Gold Imperial. Deep chrome-yellow.

Grisette. Pleasing blend of violet, old-gold and light brown. 50 cts. each, \$5.50 per doz.

Grace Sturtevant. Rich mixture of dark red, brown, and violet-carmine, with a velvety finish on the falls. A striking feature of this flower is the bright golden beard, which is so prominent that it may be seen across the garden. 75 cts. each, \$8 per doz.

Henri Riviere. An excellent flower in delicate shades of soft yellow and pale lilac-mauve. The lilac shading is very delicate, so that the general effect is yellow. 3½ ft. \$1 each, \$11 per doz.

Indian Chief. Classed as one of the superior reds; it carries a bronzy overcast. Very large flower, quite tall, and well branched. \$1.20 for 3, \$4.50 per doz.

Midgard. Fine yellow variety with a suffusion of pink.

Milky Way. Milk-white, veined light lavender. Beautiful indeed.

Mrs. Valerie West. Brown-red and crimson; large, fragrant flower. 3 ft. \$1 for 3, \$3.75 per doz.

Pioneer. Rich red-purple.

Rameses. Combination of rose, pink, and buff. 3 ft. \$1 for 3, \$3.75 per doz.

Seminole. Velvety red-purple with a bright orange beard.

Wedgwood. One-color flower—delicate pottery blue.

Spring and Fall-blooming Irises

This splendid group of Irises is evoking great interest in the garden world, because, after flowering profusely in the spring, they blossom again in the fall, after they have become well established.

Autumn King. Blue-purple of good substance. 3 ft.

Autumn Queen. A very pretty white, dwarfier than the King.

Dorcas Hutchinson. Very fragrant; deep violet self. Of great merit. 1½ ft.

Eleanor Roosevelt. Royal purple. 26 in.

Equinox. Reddish purple with darker falls. 26 in.

Golden Harvest. Large deep yellow blooms, veined with red-gold. 18 in.

Peggy Babington. Rich clear canary-yellow. 28 in.

September Skies. Purple-red, excellent companion to Golden Harvest. 16 in.

All above Irises, \$1.50 for 3, \$5.50 per doz.

COLLECTION No. 108

1 each of the above 8 varieties, \$3.50

3 each of the above 8 varieties, \$10.

Iris kaempferi • Japanese Iris

These beautiful Irises are totally different from *I. germanica*, the flowers being flat. The standard varieties have flowers 3 to 4 inches wide, whereas the improved sorts are 4 to 8 inches. They flower after the German Irises have gone, and will do well in almost any location, but especially well where it is moist.

IMPROVED VARIETIES.

Betty Holmes. Tremendous, pure white flowers. Perfect in its purity.

Elbrus. Double, clear lavender flower of immense size and splendid substance.

Mahogany Giant. Deeper shade of velvety maroon than Mahogany, and larger.

Malmaison. Double, bluish violet blooms, suffused deep pink; white center.

Violet Giant. Rich violet; semi-double; frequently 27 inches in circumference.

White Giant. White with yellow markings.

All Improved Irises, \$1 each, \$11 per doz.

STANDARD VARIETIES.

Azure. Double; large; mauve-blue.

Chosaidan. Double; ruby-crimson.

Gold Bound. The best white variety.

Kamata. Deep blue, veined yellow.

La Favorite. Double; white, veined blue.

Mrs. George Stumpp. Single; white.

Painted Lady. Single; purple, white center. Not difficult to grow.

Pyramid. Tall. Dark violet-purple, yellow blotch.

Templeton. Double; light violet, mottled reddish pink and white.

Violet Beauty. Deep violet; single.

All Standard Irises, \$1.50 for 3, \$5.50 per doz.

Iris sibirica • Siberian Iris

They make large clumps of decorative grassy green foliage and produce an abundance of flowers excellent for cutting. 3½ to 4 ft. June.

Emperor. A dark violet-blue.

Perry's Blue. Clear sky-blue.

Snow Queen. Pure white.

Miniature Irises

★ An early dwarf type, blooming along with the daffodil. Beautiful and delicate in appearance, yet especially hardy. Recommended for the rock-garden, for edging the border or alongside the garden path.

Fauntleroy. ★ Standards white edged soft yellow; falls purple edged yellow. 6 in.

Mogador. ★ Milk-white standards; falls soft yellow. 12 in.

Rose Mist. ★ Soft rose-lilac. 10 in.

Sound Money. ★ Rich golden yellow. Blooms spring and fall. 8 in.

Tampa. ★ Brilliant mulberry-red. 1 ft.

Tony. ★ Brilliant dark ruby-red. 1 ft.

IRIS PUMILA. ★ *Dwarf Iris.* Lovely little Iris only 8 inches high. Blooms in April and May. Useful for the rock-garden; can also be used for edging, or planting in front of tall Irises.

Excelsa. ★ Pale lemon-yellow.

Sambo. ★ Dark violet-blue.

Schneekuppe. ★ A large showy white.

IRIS CRISTATA. *Crested Iris.* ★ A dwarf Iris 4 to 6 inches high. Large crested flowers of soft amethyst-blue with a touch of gold. May.

See page 105 for an Iris and Chrysanthemum Garden with a money-saving collection.

IBERIS. *Perennial Candytuft.* ★ Beautiful dwarf evergreen plants thriving in sun or partial shade. Most useful for the rock-garden, edging paths, and perennial borders.

Gibraltarica. Beautiful pale lilac flowers in great profusion. May. 9 in.

Sempervirens, Little Gem. A very compact little bright green plant which becomes a mass of small white flowers in June. 6 to 8 in.

Sempervirens, Snowflake. A strong variety with green leaves and heads of perfect snow-white flowers in May. 1 to 1½ ft.

PRICES, unless otherwise noted, 90 cts. for 3, \$3.25 per doz. Purchaser pays transportation beyond 50 miles of New York

★ Dwarf plants for the Rock-garden and edging the Perennial Border

MORE WORTHWHILE PERENNIAL PLANTS

BLUE HILL

VON LASSBURG



E. I. FARRINGTON

COMMANDER-IN-CHIEF

SALMON GLOW

FIVE FINE PHLOX *Will give you a gorgeous display from August to frost*

COMMANDER-IN-CHIEF (center). Wine-color. \$1.50 for 3 plants, \$5.50 per doz.

BLUE HILL (upper left). Lilac-blue. \$1.50 for 3 plants, \$5.50 per doz.

SALMON GLOW (lower right). Pink, shaded salmon. \$1.50 for 3 plants, \$5.50 per doz.

VON LASSBURG (upper right). Splendid white. 90 cts. for 3 plants, \$3.25 per doz.

E. I. FARRINGTON (lower left). Salmon-pink. 90 cts. for 3 plants, \$3.25 per doz.

COLLECTION No. 112A: 5 plants, one each of above 5 varieties, \$2; 15 plants, 1 of each, \$5.50; 60 plants, 12 of each, \$20.



Lychnis Viscaria splendens

Here is a striking plant for massing in the hardy border. It has large double Catchfly flowers, varying in color from rose-pink to crimson. Grows 1½ feet high.

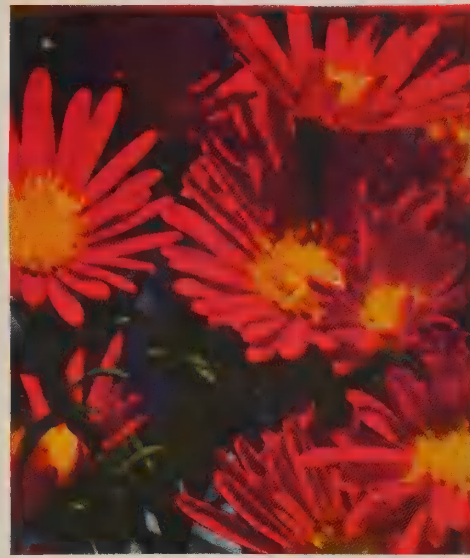
\$1.50 for 3 plants, \$5.50 per doz.



HARRINGTON'S PERFECTED PINK



MOUNT RAINIER



RED CLOUD

3 COLORFUL . . . Large-Flowering HARDY ASTERS

Will keep your garden ablaze with color, for the plants are so covered with enormous flowers from September to November that the foliage is largely obscured. Height 4 to 5 feet.

HARRINGTON'S PERFECTED PINK. Clear, soft pink.

MOUNT RAINIER. Pure white.

RED CLOUD. Pure deep pink.

Above 3, each, \$1.50 for 3, \$5.50 per doz.

COLLECTION 103: 3 plants, one each of these Hardy Asters, \$1.50; 9 plants, 3 of each, \$4.25; 12 of each, \$15.



GOLDEN HARVEST

AUTUMN QUEEN

SEPTEMBER SKIES

New Heucheras

(Alum Root)

(Illustrated left.) Excellent perennial for the border and rock-garden. Flowers are on 18-inch stems and are invaluable in bouquets.

OAKINGTON JEWEL. Light pink.

SNOWFLAKE. White.

BLOOM'S VARIETY. Coral-red.

Each, \$1.20 for 3, \$4.50 per doz.

COLLECTION 101E:

1 each above 3 varieties, \$1.20.

1 each above 3 varieties, \$3.50.



NEW HEUCHERAS

OAKINGTON JEWEL SNOWFLAKE
and BLOOM'S VARIETY

New Gaillardia

(Blanket Flower)

(Illustrated right.)

THE IMP. Forms a cushion 18 to 24 inches across, which, from June to October, is covered with flowers on 4-inch stems.

\$1.50 for 3, \$5.50 per doz.

Spoon Chrysanthemums

(Illustrated below.) Blooms are fully double, and the tip of each tubular floret flares out to a spoon shape. We offer three colors: PINK, WHITE, and YELLOW.

Each, \$1.50 for 3, \$5.50 per doz.

COLLECTION 104C:

1 each of 3 colors, \$1.50.

1 each of 1 colors, \$4.25.

THREE FALL AND SPRING IRIS

After flowering profusely in the spring, they blossom again in the autumn, once they are established.

AUTUMN QUEEN. Pretty white. 2 ft.

GOLDEN HARVEST. Yellow, veined red-gold. 1½ ft.

SEPTEMBER SKIES. Purple-red. 16 in.

Each, \$1.50 for 3, \$5.50 per doz.

COLLECTION 104A

1 each above \$1.50

3 each above \$4.25



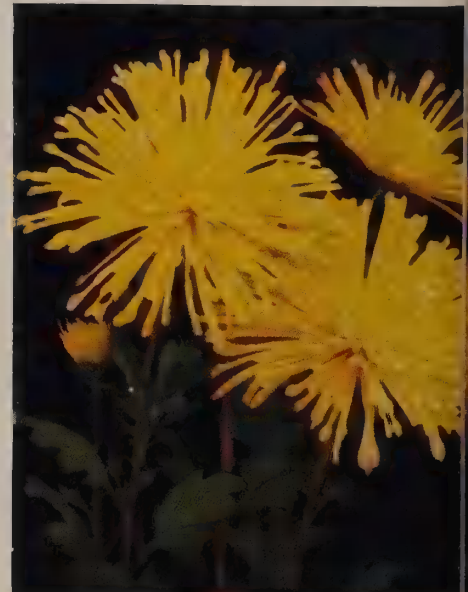
NEW GAILLARDIA, The Imp (Dwarf)



PINK SPOON

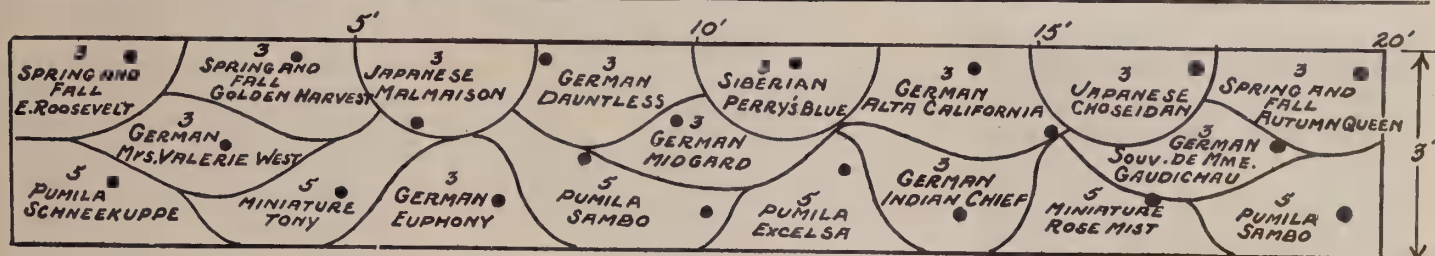


WHITE SPOON



YELLOW SPOON

An IRIS GARDEN in Spring . . . with CHRYSANTHEMUMS in Fall



Iris and Chrysanthemum Garden. Chrysanthemums indicated thus (●)

COLLECTION No. 113, \$17.50 (90 plants)

- | | | |
|---|---------------------------------|---|
| 5 Pumila Iris, Excelsa. | 3 Japanese Iris, Choseidan. | 3 German Iris, Mrs. Valerie West. |
| 10 Pumila Iris, Sambo. | 3 Japanese Iris, Malmaison. | 3 German Iris, Souv. de Mme. Gaudichau. |
| 5 Pumila Iris, Schneekuppe. | 3 German Iris, Alta California. | 3 Siberian Iris, Perry's Blue. |
| 5 Miniature Iris, Rose Mist. | 3 German Iris, Dauntless. | 3 Spring and Fall Iris,* Autumn Queen. |
| 5 Miniature Iris, Tony. | 3 German Iris, Euphony. | 3 Spring and Fall Iris,* Eleanor Roosevelt. |
| 21 Chrysanthemums, our selection, 3 plants each of 7 varieties. | 3 German Iris, Indian Chief. | 3 Spring and Fall Iris,* Golden Harvest. |
| | 3 German Iris, Midgard. | |

Total 90 plants

*This type has two blooming periods.

LAVANDULA. *Lavender.* Old-fashioned, fragrant plants with beautiful gray foliage and wiry spikes of lavender-blue flowers. The whole plant is aromatic and the flowers are much used in the making of sachets.

Vera compacta. A dwarf form with very silvery leaves and compact habit. 12 to 15 in. June.

Vera, Munstead. A taller-growing variety with gray-green foliage. 2 to 2½ ft. June.

LIATRIS. *Blazing Star; Gayfeather.* These showy North American natives all have grassy leaves and extremely bold spikes of flowers.

Elegans. Wiry stems and graceful spikes of rosy purple flowers in late July. 2 ft. \$1.20 for 3, \$4.50 per doz.

Pycnostachya. A most attractive perennial with long spikes of rich purple flowers. 4 ft. Sept.

Liatris

Scariosa alba. A splendid new variety with very heavy spikes of snow-white flowers produced in September. A grand border plant for this time of year. 5 ft. \$1.50 for 3, \$5.50 per doz.

Scariosa, September Glory. A new introduction and a veritable giant, growing up to 7 feet high. The gigantic flower-spikes are a rich purple from top to bottom, and in late September make a marvelous display. \$1.50 for 3, \$5.50 per doz.

LINUM. *Flax.*

Flavum. A dwarf shrubby plant with bright golden yellow flowers from June to August. 1 ft.

Perenne. Old-fashioned border plant, absolutely indispensable. The foliage is light and graceful, and its bright blue flowers rest on the plant like blue butterflies. Myriads of blooms are produced incessantly from June until the autumn.

LOBELIA cardinalis. *Cardinal Flower; Indian Paint-Brush.* A lovely plant, ideal for semi-shady locations or near the water's edge and a gem for naturalizing. Brilliant scarlet flowers. 3 to 4 ft. \$1 for 3, \$3.75 per doz.



Russell Lupins

Lupinus polyphyllus • Lupine

Extremely handsome perennial with beautiful palmate foliage and long spikes of brilliantly colored pea-shaped flowers in June and July.

Blue Shades Red Shades
Rose Shades Mixed Shades
Pure White

Russell Lupins

The much-publicized hybrid Lupins from England. These wonderful plants bear tremendous spikes, in colors and combinations never seen before; the fruit of years of careful work. 3 to 5 ft. June, July. We offer strong, 3-inch pot-plants, \$1.50 for 3, \$5.50 per doz.

LYCHNIS. *Rose Campion; Catchfly.* A handsome plant of easy culture in any garden soil. They like a sunny situation, and are excellent for beds or perennial borders.

Chalcedonica. Heads of vivid scarlet flowers in June and July. 3 to 4 ft.

Viscaria splendens fl.-pl. A wonderful plant making a tuft of grassy foliage from which arise stiff stems, smothered with large, double, and extremely beautiful rose-pink flowers in great profusion. \$1.50 for 3, \$5.50 per doz.

MATRICARIA inodora plenissima. *Chamomile; Feverfew.* A double white variety with attractive ferny foliage and an abundance of flowers. June, July. 2 ft.

MAZUS reptans. ★ A beautiful plant of carpeting habit, fine for the rock-garden, especially in the crevices of walks and steps. It grows ½ inch high, and in spring is smothered with lilac flowers.

MONARDA. *Bee Balm; Oswego Tea; Bergamot.* Old-fashioned plants of easy culture anywhere. Highly aromatic leaves and pretty spikes of flowers.

Dahliatown Orchid. A novelty of great merit. Charming orchid-pink flowers. 2½ to 3 ft. July. \$1.20 for 3, \$4.50 per doz.

Didyma rubra. Bright red flowers in July. 2½ ft.

Didyma, Salmon. A salmon-flowered variety of the above. 2½ ft. July.

MUSK (Mimulus moschatus). ★ Favorite old-time fragrant matting perennial for a moist and shaded corner in the garden. In pots, it is an ideal window-plant. Enhanced perfume is obtained from these selected plants which have been propagated from cuttings.

Myosotis • Forget-me-not

Alpestris. ★ Compact little plant smothered with brilliant royal blue flowers in May and June. They are especially effective in the rock-garden, as a ground-cover for tulips, and in the front of borders. 6 in.

Palustris semperflorens. ★ It is of creeping habit, and flowers from June until September. The florets are of a beautiful clear pale blue with small yellow eyes. 6 in.

NEPETA. *Ground Ivy.* Old-fashioned plants of easy culture in the poorest of soils. They should be cut back after flowering, which will produce a very compact plant.

Mussini. ★ Masses of large blue flowers in June. 9 in.

Six Hills Giant. ★ A new hybrid with larger flowers and foliage. 1 ft.

NEPETA CATARIA. *Catnip.* See Herbs, page 72.

NIEREMBERGIA. *Cup-Flower.* ★ Beautiful little plants with very little foliage and large flax-like flowers. Especially suitable for the rock-garden. 9 in. July.

Frutescens. Pale blue. 1 to 1½ ft.

Frutescens alba. Pure white form.

PRICES, unless otherwise noted, 50 cts. for 3, \$3.25 per doz. Purchaser pays transportation beyond 50 miles of New York

★ Dwarf plants for the Rock-garden and edging the Perennial Border



Enothera



Pentstemon digitalis

ENOTHERA, Evening Primrose. ★ Striking plants for sunny location.
Glaucia Fraseri. Golden yellow cups in July and August. 1 to 1½ ft.

ENOTHERA, Illumination. Novelty. Long salmon-pink buds and golden yellow 1½-inch flowers. Perfect pyramidal shape. Hundreds of flowers from June to fall. 1½ to 2 ft. 50 cts. each, \$5.50 per doz.

PACHYSANDRA terminalis. Japanese Spurge. Fine ground-cover for shade or semi-shade. Its bright glossy green foliage is invaluable for bordering walks and drives. It is often used with success under trees where nothing else will grow. For quick results, plant 9 inches apart. Height 6 to 9 in. Plants from 3-in. pots, 75 cts. for 3, \$2.75 per doz., \$20 per 100; 2-yr. field-plants, \$15 per 100, \$100 per 1000.

PRICES, unless otherwise noted, 90 cts. for 3, \$3.25 per doz. Purchaser pays transportation beyond 50 miles of New York
★ Dwarf plants for the Rock-garden and edging the Perennial Border

Peonies

They require a deep rich soil and should be planted so that the eyes are about 2 inches beneath the surface. To each root we recommend a 4-inch pot of bonemeal at planting-time, which should be well mixed in the soil about the roots. If planted in the fall, which is the best time, we also recommend a mulch of horse- or cow-manure the first winter. Our plants are all 2 or more years old. If planted in the spring, they will not throw much bloom the first season, but should be well established the following year. The varieties we offer are the choicest, and no finer plants are obtainable.

WHITE SHADES, DOUBLE.

Baroness Schroeder. Very large, tinted with delicate light pink; fragrant. \$1 each, \$11 per doz.

Festiva maxima. Large flowers with feathered petals and crimson flecks in the center. 75 cts. each, \$8 per doz.

Kelway's Glorious. Highly rated (9.8) by the American Peony Association. Very full gleaming flowers of enormous size; sweetly scented. \$3 each, \$33 per doz.

Le Cygne. The highest rating of any Peony (9.9). Creamy white. Very floriferous. \$2 each, \$22 per doz.

Solange. Broad, rounded petals suffused with a reddish gold light. A very strong grower, flowering in late midseason. \$1.50 each, \$16 per doz.

PINK SHADES, DOUBLE.

Katherine Havemeyer. Large, fully double flowers of apple-blossom-pink; sweetly fragrant. Very early. \$1.50 each, \$16 per doz.

Lady Alexandra Duff. Immense flowers, 4 to 6 on a stem. A beautiful flesh tint, with golden anthers. \$1.50 each, \$16 per doz.

Mme. Manchet. Full, cup-shaped flowers of rich pink with a silvery sheen. \$1 each, \$11 per doz.

Phyllis Kelway. A grand variety of good form and texture. Sparkling pink. \$1 each, \$11 per doz.

RED SHADES, DOUBLE.

Felix Crousse. Brilliant red flowers, large, compact, and globular. \$1 each, \$11 per doz.

Francois Rousseau. A fine variety with a dark silky sheen at the base. \$1 each, \$11 per doz.

Karl Rosenfield. Very fine rich blood-crimson flower. Strong grower. Very free flowering early in the season. \$1 each, \$11 per doz.

Mme. Gaudichau. Dark crimson flowers in late midseason. Very robust. \$1 each, \$11 per doz.

Philippe Rivoire. A dark crimson, early-flowering variety; very symmetrical and with a rich rose scent. \$2 each, \$22 per doz.

YELLOW SHADES, DOUBLE.

Primevere. A most attractive midseason variety with a sulphur-yellow center and creamy guard petals. \$2 each, \$22 per doz.

DOUBLE PEONIES TO COLOR. White, Red, and Pink. These are strong plants from good varieties. \$1.50 for 3, \$5.50 per doz., \$35 per 100.

PEONIES, continued

SINGLE AND JAPANESE PEONIES.

These beautiful Peonies, while not so well known, are of great merit. In the center of the wide-open flowers, stamens are often turned to modified petals.

Cathedral. (Japanese.) Vivid dark rose, pink outer petals, with a center of long pale pink petaloids. \$1.50 each, \$16 per doz.

Constance. (Japanese.) A charming pink variety with bright yellow centers. \$1.50 each, \$16 per doz.

Fujo-no-mine. (Japanese.) Snow-white petals with a central cluster of yellow petaloids. \$1.50 each, \$16 per doz.

Hatsuegi. (Japanese.) Wide red petals with rose-pink petaloids. \$1.50 each, \$16 per doz.

Kino-kimo. (Japanese.) A striking carmine petals with vivid orange-pink petaloids. \$1.50 each, \$16 per doz.

Nymph. (Single.) Large flesh-colored petals with a central tuft of golden stamens. \$1 each, \$11 per doz.

Yeso. (Japanese.) A pure white variety with narrow white central petals shaded yellow. \$1.50 each, \$16 per doz.

PENISTEMON digitalis. Beard-Tongue. Spikes of white flowers with delicate mauve shadings, produced in great profusion in June and July. 4 to 5 ft. \$1.20 for 3, \$4.50 per doz.

PHLOX subulata. Moss Pink; Mountain Pink. ★ These well-known plants, with pretty moss-like evergreen foliage, are most suitable for clothing banks and for all situations in the rock-garden. All are May-flowering. 3 to 6 in.

Alba. Pure white.

G. F. Wilson. Mauve.

Lilacea. Lilac. **Rubra.** Crimson.

Rosea. Rose-pink. **Vivid.** Deep pink.

PHLOX decussata

Hardy Garden Phlox

Their large choice flower-heads are produced from July until September, are of brilliant coloring, and exquisitely perfumed.

Nine Best Varieties

Blue Hill. A lilac-blue, the nearest to light blue. 2 ft. Aug.

Border Gem. Distinct novelty. Large trusses; deep violet-blue. 2½ ft. Aug.

Commander-in-Chief. Splendid grower. Port-wine-colored.

Daily Sketch. The finest large-flowered Phlox. Blooms 2 inches across, clear pink with carmine eye. Good grower. 2½ ft. Aug.

Emain Macha. Novelty. Flowers 2½ inches across, of brilliant crimson-carmine. Very vigorous.

George Stipp. Deep glowing salmon, light eye.

Jean Darland. Best white; very large.

Painted Lady. Novelty. Silver-pink with red eye.

Salmon Glow. Dwarf in habit. Trusses of lively pink flowers, shaded with salmon. 2½ ft. Aug.

Any of above new varieties, \$1.50 for 3, \$5.50 per doz.

ENCOURAGE THE BIRDS, for many of them help in your fight against insect pests. We supply a mixture of just the FOOD SEEDS they like. Five pounds, 90 cts.

PHLOX DECUSSATA, continued

Seven Good Sorts

- Albion.** White with pink center.
Dr. Konigshofer. Brick-red.
E. I. Farrington. Soft salmon-pink with lighter eye. An improved Elizabeth Campbell. 2½ ft. Aug.
General van Heutz. Fire-red.
Morgenrood. A new shade of bright rose, with deeper eye. 2½ ft. Aug.
Riverton Jewel. Salmon-pink with dark eye.
Von Lassburg. Splendid white sort. 3 ft.

PHLOX suffruticosa, Miss Lingard. Flowers in June and continues on through summer. Large; white. 2½ ft.

PHLOX, Various.

- Amœna.** ★ A trailing variety, useful for carpeting. Rich bright pink flowers in April and May. 4 in.
Camensis. ★ Delicate pink flowers in profusion. Upright growth. 6 in. May, June. \$1.50 for 3, \$5.50 per doz.
Divaricata Laphami. ★ Trusses of large, fragrant, lavender-blue blooms in May. One of the native wild flowers. 9 in.
Reptans (stolonifera). Pink flowers of the Divaricata type. Excellent for woodland planting. 6 in. June.
Schneewitchen. Very compact, smothered with dazzling white flowers in May. 2 in. \$1.50 for 3, \$5.50 per doz.
Stellata. ★ A rare and very choice alpine Phlox. Compact; smothered with white starry flowers in May. \$1.50 for 3, \$5.50 per doz.

PHYSALIS Francheti. *Chinese Lantern.* A plant of easy culture in any location, which in the fall has pretty lantern-like fruits an inch or more in size. When cut and dried, these make an excellent winter decoration. 2 ft. Sept.

PHYSOSTEGIA. *False Dragonhead.* Border plants of easy culture anywhere.

Dwarf Vivid. A beautiful plant with spikes of rose-lilac flowers. Aug. to Oct. 18 in.

Virginiana. Long spikes of pale lavender flowers. 3½ ft. July.

PLATYCODON. *Balloon Flower; Chinese Bellflower.* ★ One of the finest hardy perennials, producing showy, cup-shaped flowers 2 inches or more in diameter during the whole summer and autumn.

Grandiflorum. Large steel-blue flowers. 1½ in.

Grandiflorum album. White with pale blue tinge. 2 to 2½ ft.

Japonica fl.-pl. *Novelty.* Large glossy deep blue flowers, double and star-shaped. 2½ ft. \$1 for 3, \$3.75 per doz.

PLUMBAGO Larpentæ. *Leadwort.* ★ A late-flowering dwarf perennial which makes a compact mound, smothered with sky-blue flowers in September and October. 6 to 9 in.

POLEMONIUM reptans, Royal Blue. *Jacob's Ladder.* ★ Pretty foliage of delicate texture, with airy spikes of bright blue flowers. 1 ft. June.

POPPIES

PAPAVER NUDICAULE. *Iceland Poppies.* The flowers are produced on wiry stems and are paper-like in texture. They come in the richest colorings imaginable.

Alpinum. ★ Dainty little flowers of all shades arising from tufts of silvery gray foliage. 4 in. May.

Papaver nudicaule, continued

Beauty of Belvedere. A new strain with very large flowers of beautiful pastel shades. Extremely vigorous. 2 ft. June. \$1 for 3, \$3.75 per doz.

Coonara Pink. ★ Many delicate shades of pink. 1 ft. June.

Tangerine. A fine deep orange. 2 ft. June.

The Emperor. Large glowing crimson flowers on long, wiry stems. 2 ft. June.

The Empress. A delicate shade of salmon-pink. 2 ft. June.

White. Snow-white. 2 ft. June.

Yellow Wonder. Giant variety with large yellow flowers; long stems. 3 ft. June.

PAPAVER ORIENTALE. *Giant Oriental Poppies.* These handsome large-flowered Poppies have few rivals among hardy plants. Their striking foliage and glowing flowers make them most effective for grouping with other perennials where a vivid splash of color is required in June and July. We offer pot-grown plants which can be moved at any time; these are grown from cuttings, not seedlings.

Beauty of Livermore. Flowers of rich crimson-maroon, 9 inches in diameter. 3 to 3½ ft. \$1.50 for 3, \$5.50 per doz.

Cedar Hill. *Novelty.* The best pink we have ever seen. Flowers 4 to 6 inches in diameter. 3 ft. \$1.50 for 3, \$5.50 per doz.

May Queen. Rich pink. Dwarf in habit. 2 ft. \$1 for 3, \$3.75 per doz.

Mrs. Perry. Orange-apricot-pink. Early flowering. 2 ft. \$1 for 3, \$3.75 per doz.

Perry's White. Immense flowers of a pure satiny white with a crimson-maroon blush at the base of the petals. 3 ft. \$1.50 for 3, \$5.50 per doz.

Wurtembergia. The immense flowers, 6 inches or more in diameter, are brilliant rose-red. \$1.50 for 3, \$5.50 per doz.

PAPAVER ORIENTALE, Cerise Bedder. Rich sparkling cerise flowers 4 to 6 inches across with two rows of petals. *Fine for cutting.* 50 cts. each, \$5.50 per doz.

PRIMULA • Primrose ★

For the rock and alpine garden, for the semi-shady garden, for brightening up woodland walks, dells, and, indeed, for any place where the plants will be cool at the roots.

PRIMULA ACAULIS.

Acaulis. *True English Primrose.* Pale lemon flowers borne solitarily on slender stems. 6 in. May. \$1.20 for 3, \$4.50 per doz.

Duplex. *Hose-in-Hose Primrose.* A very old-fashioned plant with pale yellow flowers of exceptional interest as one flower originates at the center of another. 6 in. May. \$1.50 for 3, \$5.50 per doz.

Pastel Shades. A wonderful mixture, containing purples, lavenders, creams, buffs, and pinks. 6 in. April. \$1 for 3, \$3.75 per doz.

PRIMULA ELATIOR (POLYANTHUS).

The choice flowers are borne in clusters on stout stems. 6 to 9 in.

Alba. Huge white trusses of flowers in May. \$1 for 3, \$3.75 per doz.

Crimson King. A large deep crimson variety. Very vigorous. 9 in. May. \$1 for 3, \$3.75 per doz.

Superba. A giant yellow Polyanthus with flower-stems the thickness of a pencil. The center of the flowers is tinged pink. \$1.20 for 3, \$4.50 per doz.



Polyanthus



Physostegia

PRIMULA SUAVEOLENS. Cowslip.

Art Shades. This is the old-fashioned Cowslip from the flowers of which excellent wine is made. The colors vary from deepest yellow to a rich bronze. They are borne in trusses and are pendulous. 1½ ft. May. \$1 for 3, \$3.75 per doz.

PRIMULA SPECIES.

Auricula. A choice specimen of dwarf, compact habit, suited for the rock-garden. The leaves are large, leathery, and glossy. Flowers are of the most stunning colors, all with a contrasting eye, such as lavender with yellow center, red with buff center, etc. Mixed only. 6 in. June.

Beesiana. This is one of the Candelabra type, with whorls of purple flowers on 2-inch stems. 2 to 2½ ft. June, July.

Bulleyana. Another of the Candelabras, with orange whorls of flowers. 2 ft. June, July.

Cortusoides. A beautiful variety with fresh green, scalloped leaves. The plants throw a profusion of slender spikes which bear heads of charming pink flowers from May until July. 9 in.

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★Dwarf plants for the Rock-Garden and edging the Perennial Border

PERFECT GARDEN LABELS

are excellent for marking plants in your border. Six inches long, the 2 x 1-inch face takes pencil marks readily. \$2 for 25.



Scabiosa

Primula species, continued

Denticulata. Long lineal foliage and fine globular heads of lavender flowers make this one of the prettiest of Primulas. 1 ft. April, May.

Japonica, S. & W. Strain. Another Candelabra, very vigorous in growth. Handsome crinkly foliage and tall spikes of flowers in whorls. White, pink, copper-red and crimson, mixed. 2 ft. June, July.

Preceding six varieties, \$1.20 for 3, \$4.50 per doz.

Sieboldi. Beautiful rare species with fine scalloped leaves and heads of large flowers. 8 in. May. Mixed only, Rose and Pink. 75 cts. each, \$8 per doz.

Wanda. A mat-forming Primula with dark green foliage and a profusion of rich purple flowers with golden eyes, on 3-inch stems. 4 in. May. \$1.20 for 3, \$4.50 per doz.

PULMONARIA. Blue Cowslip. These showy spring-flowering plants are excellent for the front of borders, for rock-gardens, and for positions in the wild garden. Racemes of very pretty flowers in the spring. 12 to 15 in.

Maculata. Bright green foliage and brilliant sky-blue flowers.

Saccharata. A charming plant with pink flowers reminiscent of Mertensia.

Saccharata, Mrs. Moon. Very handsome green-and-white marbled foliage and lovely bright salmon-pink flowers, shot with blue.

PYRETHRUM. Painted Lady. Grand border plants of the Daisy family. They all flower in June and July. 2 to 2½ ft.

Double, Mixed. All shades of red, pink, and white.

Florence Shadley. A choice double variety of wonderful shell-pink color. 75 cts. each, \$8 per doz.

Single, Mixed. Reds, whites, and pinks, all with yellow centers. Very vigorous.

ROSMARINUS officinalis. Rosemary. See Herbs, page 73.

RUDBECKIA. Coneflower. Bright border plants of easy culture in any garden soil.

Golden Glow. Rich double yellow flowers, good for cutting. 5 to 6 ft. Aug.

Hirta Hybrids. Large single flowers with a color-range from yellow through orange and brown to terra cotta. July-Sept.

Purpurea. A striking flower of purple color with a brown cone-shaped center. 3 to 4 ft. July-Oct.



Salvia farinacea

SALVIA. Meadow-Sage; Clary.

Azurea grandiflora. A fine plant of branching habit, smothered with gentian-blue flowers in late summer and autumn. 4 feet high; 2 to 3 ft. in diameter.

Farinacea. Spikes of powder-blue flowers. 2 to 2½ ft. July-Sept.

Farinacea alba. A white counterpart of the above. If both are planted together a charming combination is obtained.

SANTOLINA. Lavender Cotton; Ground Cypress. ★ Dwarf sub-shrubs which hold their leaves in winter. They are excellent for edgings or for the rock-garden, and can be clipped every year. The foliage is most attractive and very aromatic.

Incana. Very compact, with beautiful silvery gray foliage with the appearance of bunched coral. Yellow flowers in July. 6 to 9 in.

Viridis. A bright-green-foliaged variety. White flowers in July. 1 ft.

SAXIFRAGA. Rockfoil.

Ceratophylla. ★ A mossy Saxifrage of easy culture; compact habit, with sprays of white flowers. 6 in. June, July.

Cordifolia. A giant Saxifrage with huge green leaves. Pink flowers. July.

Encrusted, Mixed. ★ A beautiful selection of encrusted Saxifrages, all with rosettes of silvery leaves and spikes of white flowers in June. 6 to 9 in.

SCABIOSA. Scabious; Pincushion Flower. A fine perennial needing a rich soil which is slightly alkaline. Large flowers borne on long, wiry stems make it a fine subject for cutting.

Caucasica, Giant Hybrids, Mixed (Isaac House Strain). Delicate lilac and mauve predominate, but pure white and even dark blues often occur. 2 ft. July-Sept. \$1.20 for 3, \$4.50 per doz.

SEMPERVIVUM. Houseleek; Live Forever. ★ Evergreen succulents resembling Sedums. The leaves are often brightly colored at the base.

Arachnoideum. Cobweb Houseleek. A beautiful plant. The round masses of leaves are always covered with a white cobwebby substance, giving it a most unusual effect. 2 in.

Globiferum. Grass-green rosettes tinged with red. Yellow flowers in August. 3 to 4 in.

Mixed Seedlings. Shapes and sizes of every description. A choice selection. 3 to 4 in.

SEDUM - Stonecrop ★

This plant was the backbone of the early rock-gardens, and no rock-garden today is complete without some of the species mentioned here.

Acre. ★ Green foliage. Bright yellow flowers. 3 in. June.

Altissimum. ★ Yellow. 6 to 8 in. July, Aug.

Balticum. ★ 3 in. June.

Beyrichianum. ★ Compact green rosettes with pink centers. A good carpeter.

Dasyphyllum. ★ Rose. 3 in. June.

Lydium. ★ Pink. 2 in. June.

Middendorffianum. ★ Excellent matting variety, 4 inches high, with yellow flowers. Beautiful reddish purple foliage in autumn.

Nevi. ★ Blue-gray rosettes. 4 in. July.

Sieboldi. ★ Rose-pink. 9 in. Aug.

SILENE. Catchfly; Campion.

Schafta. ★ One of the best autumn-flowering rock-plants. It blooms in October when flowers are scarce in the rockery. A compact plant with bright rose-pink flowers. 6 in.

SPIRÆA. Goat's Beard; Meadowsweet. Suitable for borders, damp situations, and water plantings. June.

Filipendula alba. Finely cut foliage. Creamy white flowers. 2 ft.

Davidi. A vigorous variety, growing 3 feet high, with delicate pale pink flowers in July and August.

Palmata elegans. A light pink. 3 ft.

Ulmaria fl.-pl. Well-known double Meadowsweet, with a profusion of creamy white flowers. 3 ft.

STATICE. Sea-Lavender. Of easy culture, these unusual border plants have little foliage but throw tremendous sprays of flowers after the style of *Gypsophila paniculata*.

Latifolia. Large basal leaves and clouds of pale blue flowers in August. 2 ft.

Latifolia dumosa. Bluish lavender flowers in great profusion, which, when dried, become silvery. 1½ ft. Aug. \$1.20 for 3, \$4.50 per doz.

STOKESIA lilacea grandiflora. Stokes'

Aster. A marvelous plant with a compact growth of basal leaves, from which arise the flowers on stems 18 to 20 inches long. These are often 5 inches across, and are of a silvery blue color with a lilac suffusion at the center. \$1.20 for 3, \$4.50 per doz.

SWEET WILLIAM

These brilliantly colored old-fashioned garden plants are as indispensable today as they were 100 years ago. Each plant will give a wealth of bloom in June.

Auricula-eyed. These are chiefly reds and pinks, but all have a pronounced white eye. 1½ ft.

Pink Beauty. A sparkling crushed strawberry-pink.

Scarlet Beauty. A vivid scarlet. Very choice and effective. 1½ ft.

New Blue. See under Dianthus.

TEUCRIUM Chamædrys. Germander. ★

A dwarf sub-shrub with glossy green foliage and bright rose flowers, adaptable for edging borders and paths. 1 ft. Aug.

PRICES, unless otherwise noted, 90 cts. for 3, \$3.25 per doz. Purchaser pays transportation beyond 50 miles of New York

★ Dwarf plants for the Rock-garden and edging the Perennial Border

EQUIP your GARDEN with Japanese Beetle Traps.

Each will capture more than a quart a day during the season of infestation. Price, with bait, \$1.50

THALICTRUM. *Meadow-Rue.* Extremely graceful foliage not unlike a maidenhair fern, and dainty flowers in profusion.

Adiantifolium. White flowers freely produced in June. 18 in. to 2 ft.

Aquilegifolium. As its name implies, it has foliage like a columbine, with rich purple-mauve flowers. 3 ft. June.

Glaucum. This we recommend especially, as it has blue-green foliage, finely divided, and heads of sulphur-yellow, fluffy flowers. 4 ft. July.

Minus. ★ Dwarf variety with white flowers and miniature foliage. Very suitable for the rock-garden. 6 to 9 in. July.

THERMOPSIS caroliniana. A plant that has been grown for the last 130 years, and yet is not too well known today. It grows 5 feet high, with large, yellow, pea-shaped flowers in July.

THYMUS. *Thyme.* ★ These charming, fragrant plants are mostly of dwarf, spreading habit and are unexcelled for dry, sunny banks where grass is difficult to establish, and for various positions in the rock-garden. When planted at the crevices of walks, they give off a fragrant aroma when walked on, and are a sheet of blossoms in June and July.

Azoricus. Deep green mat with rosy flowers. 3 in. June.

Citriodorus argenteus. A taller-growing variety with handsome silver-edged leaves and pink flowers. 6 to 9 in. June.

Herba-barona. An excellent rock-plant of trailing habit with lilac flowers. 2 ft. June.

Lanuginosus. Mauve flowers and gray, woolly leaves. 2 in. June.

Nitidus. Shrubby species with gray-green foliage and soft silvery mauve flowers. 9 in. June.

Serpyllum. The wild Mountain Thyme of creeping habit, with rosy purple flowers. 2 in. June.

Serpyllum album. Decidedly miniature foliage of light bright green with pure white flowers. 1 in. June.

Serpyllum coccineus. Very dark reddish green foliage, making a perfect mat like the above, but with brilliant crimson flowers. 1 to 2 in. June.

TRITOMA

Torch Lily; Flame Flower; Red-Hot Poker

Very vigorous perennials of easy culture in any garden soil, in full sun. They have strong grass-like foliage from which arise spikes of flowers from July to September.

Autumn Tints. Red and gold. 2½ ft. Sept.

Flaming Torch. Red, shaded yellow. 2½ ft. Sept.

Golden Thoughts. Rich old-gold flowers. 2½ ft. Sept.

Orange Glow. Deep warm orange color. 2½ ft. Sept.

Salmon Beauty. Salmon-pink. 2½ ft. Sept.

Sulphur Spire. Citron-yellow. 2½ ft. Sept.

Above varieties, \$1.50 for 3, \$5.50 per doz.

Pfitzeri. Everblooming *Tritoma*. Bright orange-scarlet flowers with salmon-rose edges. Fine for cutting. 3 ft. \$1 for 3, \$3.75 per doz.

S. & W. Hybrids. A grand mixture of yellows, flame-reds, burnt-orange, etc. 90 cts. for 3, \$3.25 per doz.

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Viola, Jersey Gem

VERBENA. *Vervain.* Variable plants, as the descriptions will show. We recommend winter protection for them.

Bonariensis. Lavender-rose sprays on long, wiry stems. In bloom from June to October. A gem for cutting. 4 to 5 ft. \$1.50 for 3, \$5.50 per doz.

Canadensis. ★ A creeping plant with finely cut foliage and heads of beautiful lavender flowers all summer. 6 to 9 in. \$1 for 3, \$3.75 per doz.

Chamaedryfolia. ★ Of trailing and spreading growth continually producing scarlet flowers; the most vivid of any plant. So bright that they dazzle the eyes on a sunny day. 3 in. May to Oct.

VERONICA • Speedwell

Charming plants, natives of Europe and America. Free flowering, and they can be used in the rock-garden and border.

Blue Jay. Valuable because it flowers in August and September. Bright blue sprays. 2 to 3½ ft.

Filiformis. ★ Trailing plant with graceful foliage. Covered in spring with pale blue, white-lipped flowers. 2 in. May, June.

Gentianoides. ★ Gentian-like leaves and spikes of pale blue flowers edged with a deeper blue. 6 in. June.

Incana nana. ★ A compact plant with beautiful silvery foliage and spikes of brilliant blue flowers. 6 to 9 in. July, Aug.

Incana rosea. Similar, with pink flowers.

Longifolia subsessilis. Very heavy long spikes of deepest blue. Perfect border plant. 2 to 3 ft. July.

Peduncularis. ★ It has the appearance of a heuchera, and from June until the end of July produces its pearly white flowers in light airy sprays. \$1.20 for 3, \$4.50 per doz.

Repens. ★ A carpeting plant with light blue almost stemless flowers. 1 in. May, June.

Spicata. Useful border plant with spikes of blue flowers from July to September. 2 ft.

True Blue. Smothered with blossoms of intense blue. 9 to 12 in. June, July.

VINCA. *Periwinkle; Old Maid; Myrtle.* Grand ground-covers for shade.

Alpina. A beautiful plant with large purple flowers produced all summer and fall.

Minor alba. White flowers show up well against the dark glossy foliage.

Minor, Bowles Variety. A greatly improved form. Always in bloom, the flowers being very large and clear blue.



Verbena bonariensis

VIOLA cornuta

Tufted Pansies ★

The flowers of the Viola are like those of pansies but smaller. Unlike pansies, however, they are perennial and very sweetly scented. All can be used in rock-gardens, borders, and paths. 6 to 9 in. May until fall.

Arkwright's Ruby. A rich velvety mahogany-red with dark maroon blotches.

Avalanche. Large white flowers in great profusion.

Blue Butterfly. Sky-blue shading to white.

Chantreyland. New variety with large deep apricot flowers.

Jersey Gem. A well-known variety with rich violet flowers in great profusion.

Royal Purple. Another splendid variety, very floriferous, and of rich purple color.

W. H. Woodgate. Fine large Cambridge blue flowers.

Yellow Queen. A splendid deep yellow. Very free flowering.

VIOLA odorata

Sweet Violet

The Violets listed below are among the best and most distinct. All are splendid for cutting. The double Violets should be afforded some protection in winter.

Frey's Fragrant. A single Violet with flowers ½ to ¾ inch in diameter, on 6 to 9-inch stems. Rich deep purple. Very prolific in April, and flowering again in the fall.

Marie Louise. Very large; double; lavender. Spring flowering. \$1.20 for 3, \$4.50 per doz.

Rosina. Single, very fragrant flowers of dark rose-pink. \$1.20 for 3, \$4.50 per doz.

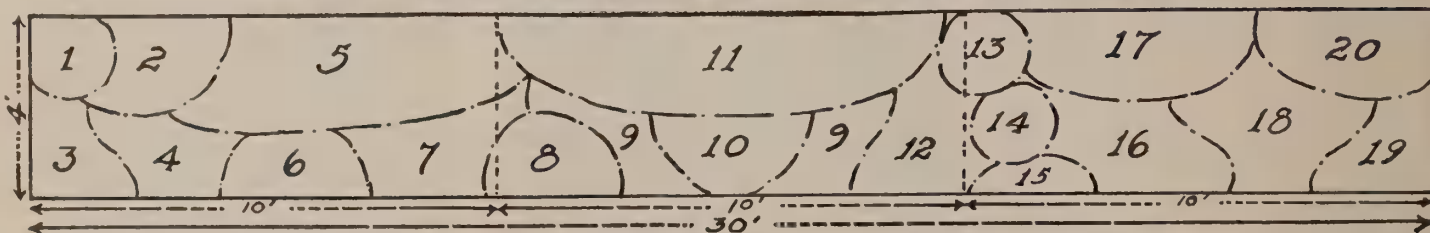
Russian Single. Produces great masses of fine large deep purple flowers.

Snow Queen. Own introduction. Dozens of large white Violets on long stems. Spring flowering. \$1.20 for 3, \$4.50 per doz.

YUCCA filamentosa. *Adam's Needle.*

Spiked evergreen foliage with creamy white flowers on 6-foot stems. Requires full sun and a calcareous soil. A fine plant for tubs and terraces and for planting in positions where boldness is required. 1-yr. plants, \$1 for 3, \$3.75 per doz.; 2-yr. plants, \$1.35 for 3, \$5 per doz.; 3-yr. plants, \$2 for 3, \$7 per doz.

YOU CAN FILL THIS 30-FOOT PERENNIAL BORDER WITH ONE OF THESE PLANT COLLECTIONS



HARDY PERENNIAL PLANT COLLECTIONS for the above Border, measuring 30 feet by 4 feet.
Any of the Assortments below can be set out with the above Plan

A Cutting Garden (60 Plants)

	Key
1 Aster, Skylands Queen	1
3 Iris, Wedgwood	2
3 Lavandula vera compacta	3
3 Anemone, September Charm	4
3 Hemerocallis, Lemona	5
3 Campanula persicifolia, Double; blue	6
3 Chrysanthemum, Igloo	7
3 Stokesia lilacina	8
3 Dianthus, Beatrix	9
3 Scabiosa, Isaac House Strain	10
3 Delphinium, Hollyhock Strain	11
3 Verbena bonariensis	12
1 Gypsophila, Bristol Fairy	13
3 Heliopsis incomparabilis	14
1 Coreopsis, Perry's Variety	15
3 Doronicum excelsum	16
3 Tritoma, S. & W. Co.'s Hybrids	17
3 Gaillardia, Mr. Sherbrook	18
3 Chrysanthemum, White Swan	19
3 Helianthus, Soleil d'Or	20

COLLECTION 118A: \$16.75
Catalogue value, \$23.25

For Moist Soil (58 Plants)

	Key
1 Spiraea palmata elegans	1
3 Iris, Siberian, Perry's Blue	2
2 Funkia Fortunei robusta	3
3 Primula japonica	4
2 Hibiscus, Crimson Eye	5
3 Chrysogonum virginianum	6
3 Hemerocallis, Lemona	7
3 Saxifraga cordifolia	8
3 Myosotis palustris	9
3 Monarda didyma	10
3 Aconitum Fischeri	11
3 Alyssum saxatile	12
1 Boltonia asteroides	13
1 Astilbe, Bergristol	14
3 Primula, Wanda	15
3 Lobelia cardinalis	16
3 Iris, Japanese, Mahogany Giant	17
3 Enothra glauca Fraseri	18
3 Funkia lancifolia albo-marginata	19
3 Anemone, Queen Charlotte	20

COLLECTION 118D: \$16.75
Catalogue value, \$22.25

A Yellow Garden (63 Plants)

	Key
1 Aster hybridus luteus	1
3 Iris, Alta California	2
3 Alyssum saxatile	3
3 Doronicum excelsum	4
3 Hemerocallis, Golden Dream	5
3 Trollius Ledebouri	6
3 Santolina incana	7
3 Iris pumila, Excelsa	8
3 Helianthemum, Single Yellow	9
3 Gaillardia, Mr. Sherbrook	10
3 Hollyhock, Prince of Orange	11
3 Aquilegia, Yellow Shades	12
1 Heliopsis incomparabilis	13
1 Geum, Princess Juliana	14
3 Poppy, Tangerine	15
3 Enothra glauca Fraseri	16
3 Tritoma, Sulphur Spire	17
3 Coreopsis, Perry's Variety	18
3 Helianthemum, Double Yellow	19
3 Chrysanthemum, King Midas	20

COLLECTION 118G: \$16.75
Catalogue value, \$22

A Fragrant Garden (63 Plants)

	Key
1 Monarda salmonea	1
3 Iris, Grace Sturtevant	2
3 Arabis, Rosabella	3
3 Nepeta, Six Hills Giant	4
3 Hemerocallis, Golden Dream	5
3 Carnation, Hardy Border	6
3 Lavandula vera	7
3 Phlox divaricata Laphami	8
3 Dianthus, Her Majesty	9
3 Artemisia, Silver King	10
3 Phlox, Morgenrood	11
3 Thymus nitidus	12
2 Artemisia lactiflora	13
3 Enothra speciosa	14
3 Viola, Rosina	15
3 Nepeta Mussini	16
5 Iris, Mrs. Valerie West	17
3 Sweet William, Auricula-eyed	18
3 Thymus citriodorus	19
2 Funkia grandiflora	20

COLLECTION 118B: \$16.75
Catalogue value, \$21.50

For Dry Soil (60 Plants)

	Key
1 Aster, Harrington's Pink	1
3 Iris, Frieda Mohr	2
3 Plumbago Larpetae	3
3 Arenaria montana	4
3 Phlox, Albion	5
3 Dianthus, Beatrix	6
3 Sedum Beyrichianum	7
3 Matricaria inodora	8
3 Dianthus, New Blue	9
3 Chelone barbata	10
3 Veronica spicata	11
3 Cerastium tomentosum	12
1 Gypsophila, Bristol Fairy	13
1 Coreopsis, Perry's Variety	14
3 Iris pumila, Excelsa	15
3 Linum perenne	16
3 Hemerocallis, Sir Michael Foster	17
3 Aster, Nancy	18
3 Santolina viridis	19
3 Veronica subsessilis	20

COLLECTION 118E: \$16.75
Catalogue value, \$21.50

A Pink and Red Garden (63 Plants)

	Key
1 Aster, Ypres	1
3 Iris, Goblin Red	2
3 Helianthemum, Scarlet	3
3 Armeria, Farmingdale Giants	4
3 Phlox, Morgenrood	5
3 Thymus coccineus	6
3 Arabis, Rosabella	7
3 Anemone, September Charm	8
3 Dianthus, Beatrix	9
3 Heuchera, Rain of Fire	10
3 Hollyhock, Exquisite Rose	11
3 Dicentra eximia	12
1 Aquilegia, Scarlet Shades	13
1 Papaver, Beauty of Livermore	14
3 Viola, Rosina	15
3 Sweet William, Scarlet Beauty	16
3 Phlox, Salmon Glow	17
3 Chelone barbata Torreyi	18
3 Lychnis viscaria fl.-pl.	19
3 Chrysanthemum, Kristina	20

COLLECTION 118H: \$16.75
Catalogue value, \$22.50

For Full Sun (62 Plants)

	Key
1 Aster, Red Rover	1
3 Iris, Wedgwood	2
3 Gypsophila repens Bodgeri	3
2 Veronica spicata	4
3 Phlox, Salmon Glow	5
3 Dianthus, Beatrix	6
3 Aquilegia, Scarlet Shades	7
3 Lychnis viscaria	8
3 Aster Frikarti	9
3 Scabiosa, Isaac House Strain	10
3 Delphinium, Hollyhock Strain	11
3 Aquilegia, Yellow Shades	12
1 Gypsophila, Bristol Fairy	13
1 Coreopsis, Perry's Variety	14
3 Delphinium, Blue Grotto	15
3 Chrysanthemum, Innocence	16
3 Tritoma, S. & W. Co.'s Hybrids	17
3 Gaillardia, Mr. Sherbrook	18
3 Armeria, Farmingdale Giants	19
3 Chrysanthemum, Korean Hybrids	20

COLLECTION 118C: \$16.75
Catalogue value, \$23.50

For Partial Shade (65 Plants)

	Key
1 Aster, Glory of Colwall	1
3 Iris, Indian Chief	2
1 Funkia subcordata	3
3 Phlox, Apple Blossom	4
3 Liatris scariosa alba	5
3 Primula cortusoides	6
3 Plumbago Larpetae	7
3 Anemone, September Charm	8
3 Gentiana acaulis Clusi	9
2 Dicentra eximia	10
3 Digitalis, Giant Shirley	11
3 Aster, Alderman Vokes	12
1 Dicentra spectabilis	13
1 Coreopsis, Perry's Variety	14
3 Primula japonica	15
3 Aster, Mauve Cushion	16
3 Hemerocallis, Golden Dream	17
5 Iris, Alta California	18
3 Nepeta Mussini	19
3 Veronica, True Blue	20

COLLECTION 118F: \$16.75
Catalogue value, \$23.50

A Blue and Lavender Garden (62 Plants)

	Key
1 Anchusa italica, Dropmore	1
2 Aster, Blue Eyes	2
3 Campanula garganica	3
3 Platycodon grandiflorum	4
6 Iris, Grisette	5
3 Veronica incana nana	6
3 Plumbago Larpetae	7
3 Stokesia lilacina	8
3 Viola, Jersey Gem	9
3 Scabiosa, Isaac House Strain	10
3 Delphinium, Hollyhock Strain	11
3 Aquilegia alpina	12
1 Iris, Japanese, Violet Beauty	13
1 Iris, Japanese, Azure	14
3 Phlox Laphami	15
3 Linum perenne	16
3 Aconitum Fischeri	17
3 Phlox, Border Gem	18
3 Aster alpinus, Goliath	19
3 Veronica, Blue Jay	20

COLLECTION 118J: \$16.75
Catalogue value, \$22.75

Any two Collections, \$30; any three Collections, \$42.50

Have You Read the **BOOK**, "Water Gardens and Goldfish," by Sawyer and Perkins? We mail it post free for \$2.

WATER-LILIES and POND PLANTS

Hardy Water-Lilies (Nymphaeas) (June 1 shipment)

For ponds, lakes, or in still pools along a river or stream, provided they are not planted in too deep water or near a cold inlet. Once established so that the crowns will not be injured by freezing, they become a source of permanent beauty. They may also be grown in tubs.

Attraction. Immense flowers, produced freely, and bright red in color. \$2.50 each.

Aurora. Flowers open amber-yellow, changing to orange-red on the second day and to deep red on the third. \$1.25 each.

Comanche. Large flowers of deep rich apricot with glowing red markings deepening to copper-orange. \$2 each.

Conqueror. Immense flower, with bright red petals, shaded white on the inside, changing to deep red as the flower ages. \$2.25 each.

Gladstone. Large, pure white, globular flowers. \$1.50 each.

Gloriosa. Beautiful clear red, deepening to dark red. \$2.25 each.

Helen Fowler. Deep pink flowers. Suitable for growing in a tub. \$1.25 each.

Marliac Rose. Fragrant, cup-shaped flowers, deep rose in color. \$1.75 each.

Marliac White. Waxy white flowers, with bright yellow stamens. \$1 each.

Marliac Yellow. Bright chrome-yellow flowers. \$1.25 each.

Pink Opal. Full-petaled, cup-shaped flowers of a deep rich pink. \$1 each.

Rose Arey. Large, pink, fragrant, with long-pointed petals. \$2 each.

Tropical Water-Lilies (June 1 shipment)

These are of two distinct types: the Daybloomers, whose flowers open with the sun and close at evening, and the Nightbloomers, whose flowers open in the afternoon and remain open until late the following morning. On cloudy days the latter sometimes remain open throughout the twenty-four hours. All are most beautiful.

We ship only mature potted plants, many already in flower, which will produce a wealth of bloom in a surprisingly short space of time after setting out.

Day-Blooming Sorts

Cærulea. The original blue Lotus of the Nile. Fragrant. \$1.25 each.

Colonel Lindbergh. Enormous deep sky-blue flowers. \$2.25 each.

Dauben. Very fragrant light blue flowers. Recommended for tub-gardening. \$1.25 each.

General Pershing. Broad, chalice-shaped flowers of a clear pink. \$2.25 each.

Zanzibariensis (African Purple Lily). Fragrant flowers 6 to 8 inches across. \$1.50 each.

Zanzibariensis rosea. Good-sized, bell-shaped flowers of beautiful rose-pink. \$1.25 each.

Night-Blooming Sorts

Devonshire. Rosy red, 8- to 10-inch flowers. Bronze leaves. \$1.25 each.

Juno. The largest flower in the Night-blooming section. Broad, snow-white petals around a center of yellow stamens. \$2 each.

Omara. Produces large flowers of a deep rose color. \$1.50 each.

Lotus

Tubers are available from May 1 to June 1, after which date we offer them growing in pots at the prices shown below, plus \$1.50. Do not break the growing tip.

Soil should be rich, and covered with 6 to 10 inches of water. Set the tubers at an angle, so that the tip is barely covered, and firm the soil about the tuber.

American Lotus (*Nelumbium lutea*). Native variety having large, cream-yellow flowers with a delightful fragrance. Tubers, \$2 each.

Sacred or Egyptian Lotus (*N. nucifera*). A hardy, vigorous, fragrant type having rose-tipped petals, shading to cream at the base. Tubers, \$2 each.

Shiroman Lotus (*N. nucifera albo-pleno*). Large, globular flowers, double or with many petals of pure white. Blue-green foliage. Tubers, \$2 each.

Chinese Lotus (*N. pekinensis*). Double flowers of a rich rose-red. Tubers, \$2 each.

Add \$1.50 to the above prices for potted plants after June 1

Bog and Marsh Plants

Purple Water Hyacinth (*Eichbornia azurea*). 75 cts. for 3, \$2.75 per doz.

Sweet Flag (*Acorus calamus variegata*). Variegated leaves. 75 cts. for 3, \$2.75 per doz.

Water Poppy (*Hydrocleis nymphaoides*). 35 cts. for 3, \$1 per doz.

Spiral Palm. Plants from 3-inch pots. \$1 for 3, \$3.75 per doz.

Ginger or Butterfly Lily (*Hedychium coronarium*). \$1 for 3, \$3.75 per doz.

Yellow Flag (*Iris pseudacorus*). 75 cts. for 3, \$2.75 per doz.

Marsh Iris (*Iris versicolor*). 75 cts. for 3, \$2.75 per doz.

Japanese or Water Taro (*Colocasia antiquorum illustris*). \$1.50 for 3, \$5 per doz.

Japanese or Water Taro (*Colocasia multiflora*). 75 cts. each, \$8 per doz.

Egyptian Paper Plant (*Cyperus papyrus*). \$1 for 3, \$3.75 per doz.

Umbrella Palm (*Cyperus alternifolius*). \$1 for 3, \$3.75 per doz.



Shallow-Water Plants

Arrow-head (*Sagittaria latifolia*). Well-known native plant. 75 cts. for 3, \$2.75 per doz.

Cattail (*Typha latifolia*). \$1.25 per doz.

Floating Heart (*Nymphoides peltatum*). 35 cts. for 3, \$1 per doz.

Marsh Marigold (*Caltha palustris*). 75 cts. for 3, \$2.75 per doz.

Parrot Feather (*Myriophyllum proserpinacoides*). 35 cts. for 3, \$1 per doz.

Pickering Rush (*Pontederia cordata*). 75 cts. for 3, \$2.75 per doz.

Floating Plants

Azolla (*Azolla caroliniana*). 35 cts. per portion.

Water Fern (*Ceratopteris thalictroides*). 50 cts. per portion.

Duck Weed (*Lemna minor*). A good fish food. 25 cts. per portion.

Salvinia (*Salvinia braziliensis*). 25 cts. per portion.

Water Lettuce or Shell Flower (*Pistia stratiotes*). 50 cts. for 3, \$1.75 per doz.

Water Hyacinth (*Eichbornia crassipes major*). 75 cts. for 3, \$2.75 per doz.

Submerged Plants (Oxygenating)

Sagittaria guayanensis. \$1.50 for 3, \$5.50 per doz.

Sagittaria sinensis. 35 cts. for 3, \$1 per doz.

Vallisneria. 60 cts. per doz.

Herpestis. 50 cts. for 3, \$1.75 per doz. bunches.

Anacharis, Cabomba (Fanwort; Fish-Grass),
Milfoil (*Myriophyllum*), **Ludwigia**.

Above 4, per bunch 35 cts., doz. bunches \$3.50

UNDERWATER PAINT for pools and swimming tanks. Robin's-egg blue. Qt. \$1.75, gal. \$5.

Complete Water-Lily Catalogue on request

COLLECTIONS OF WATER PLANTS

SUBURBAN POOL COLLECTION A. \$8.

Suitable for a pool about 30 square feet in area. One each: Water-Lily, Gloriosa (red), Cærulea (blue), and Pink Opal. Also the following aquatic plants:

5 plants for a centerpiece or background
12 plants for corners or margins

3 floating plants
3 submerged plants

JUNIOR POOL COLLECTION B. \$1.50.

To start your pool: 1 Pink Opal Water-Lily and 6 aquatic plants, including floating, submerged, and shallow-water or bog plants.

COMPLETE TUB GARDEN C. \$6.

Consists of one Cedar Tub, 2 feet in diameter and 1 foot deep, also:
1 Water-Lily, Gloriosa (beautiful red).
6 Assorted floating, submerged, and shallow-water or bog plants.

Aprons, Bird-Houses, Flower Boxes, Baskets, Window-Boxes, Etc.

Aprons, Garden

Blue Denim. With Bib. \$2.
Duck. With Bib. \$2.25.
Rubber. With Bib. \$3.50.

Boxes for Cut-Flowers

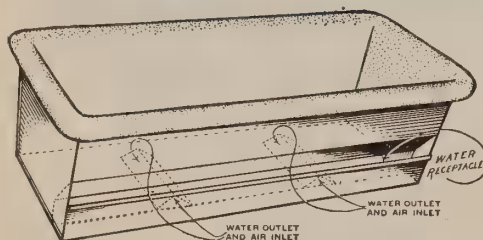
Cardboard, Flower. Ivy green; lock corners.
Doz. 100

No. 1.	18 x 5 x 3 in. deep...	\$1 50	\$6 00
No. 2.	21 x 7 x 3½ in. deep...	2 00	7 50
No. 3.	24 x 8 x 5 in. deep...	2 75	12 00
No. 4.	28 x 8 x 5 in. deep...	3 25	13 50
No. 5.	36 x 8 x 5 in. deep...	4 00	17 00
No. 6.	36 x 10 x 6 in. deep...	5 00	22 50

Corrugated Cardboard. Very heavy and durable; extensively used by florists for shipping cut-flowers. Doz. 100

No. A.	20 x 7 x 4 in. deep...	\$2 50	\$15 00
No. B.	28 x 8 x 5 in. deep...	3 00	18 00
No. C.	30 x 12 x 6 in. deep...	4 50	23 00
No. D.	36 x 12 x 6 in. deep...	5 00	25 00
No. E.	36 x 14 x 8 in. deep...	5 50	28 00
No. F.	48 x 14 x 8 in. deep...	6 50	33 00

Window-Boxes



Made of galvanized sheet metal. Painted green. Each

24 x 8½ x 6¼ in. deep...	\$1 50
30 x 8½ x 6¼ in. deep...	2 00
36 x 8½ x 6¼ in. deep...	2 75
42 x 8½ x 6¼ in. deep...	3 25
48 x 8½ x 6¼ in. deep...	3 75

Brackets for attaching Boxes on or below window-sill, \$1 per pair.

Woodland Seed Feeder

No. 715



Made of California redwood. Assures a constant supply of seed for the birds by gravity feed. Holds approximately 3 pounds of Wild Bird Seed Mixture. 9 in. high, 7 in. wide. 80 cts.

Bird Food

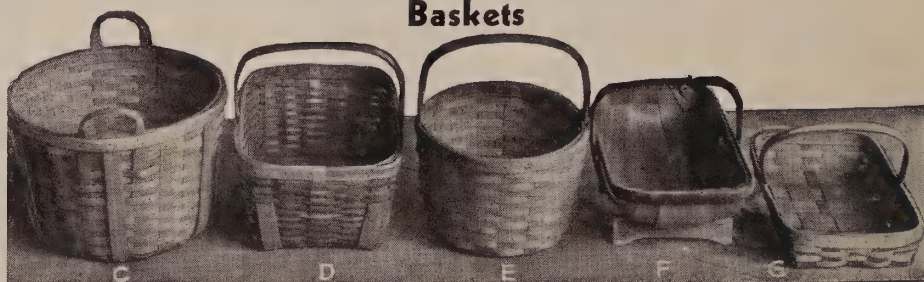
Wild-Bird Seed-Mixture. A special mixture of bird seed especially adapted to wild life. Lb. 20 cts., 5 lbs. 90 cts., 25 lbs. \$4, 100 lbs. \$14.

Wild-Bird Cake. A balanced food. Contains a variety of seeds, grains, and berries. Molded with suet into appetizing cakes. Appeals to many of the wild birds. 30 cts. each, 4 for \$1.

Mixed Canary Seed. Recleaned. Consists of canary seed, rape, millet, and hemp. Lb. 15 cts., 5 lbs. 65 cts., 100 lbs. \$11.50.

Shepherd Song-Restorer. A treat for canaries. 4-oz. bottle 25 cts.

Baskets



C. General-Purpose Basket

1-bus. size...	\$2 00	2-bus. size...	\$3 00
1½-bus. size...	2 50	3-bus. size...	4 00

D. Gardeners' Baskets

No. 1.	20½ x 13½ x 7 in. deep...	\$2 50
No. 2.	23 x 14½ x 8 in. deep...	3 00
No. 3.	24 x 15½ x 9 in. deep...	3 25

E. Picking Basket

¼-bus. size...	\$1 50	½-bus. size...	\$2 00
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F. English Garden Baskets

No. 1.	16 x 8 x 4½ in.	\$3 00
No. 2.	20 x 10 x 4½ in.	3 50

G. Flower and Fruit Baskets

No. 1.	13 x 13 x 3½ in. deep.....	\$1 00
No. 2.	20 x 12 x 3½ in. deep.....	1 25
No. 3.	22 x 14 x 3½ in. deep.....	1 50

Fruit Baskets

(Not Illustrated) 100 1000

Strawberry.	1-qt. size.....	\$2 50	\$12 00
Peach.	2-qt. size.....	3 50	20 00

Bird-Houses and Feeders

Woodland Suettes

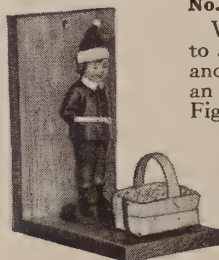
No. 14



A complete bird-food. Suet processed to keep indefinitely with seed, berries and fruit. Molded in attractive forms: Turkey, Santa Claus and Rabbits. California redwood frame treated with linseed oil. Complete holder and all three forms \$1.60. Extra suettes, 30 cts. each.

Woodland Girl Feeder

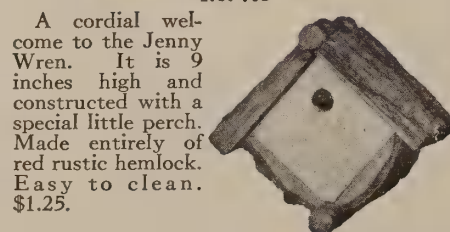
No. 717



What bird could refuse to accept a dinner of suet and seed offered by such an attractive young lady? Figure painted in oil to endure the weather. \$1.50. Extra basket of suet and seeds, 25 cts. each.

Woodland Wren House

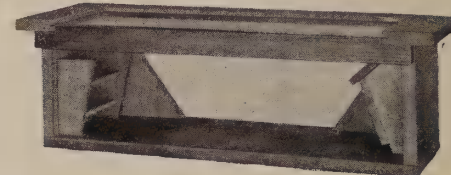
No. 705



A cordial welcome to the Jenny Wren. It is 9 inches high and constructed with a special little perch. Made entirely of red rustic hemlock. Easy to clean. \$1.25.

Woodland Window Feeder

No. 712



Designed with a glass roof to encourage a closer observation and study of our winter birds. It is admirable for shut-ins where long hours of the day may be spent in pleasure. 27 in. long, 9 in. high, 8 in. deep. Made of selected California redwood. \$4.

Woodland Chickadee or Nuthatch House

No. 708



Well made and durable; 13 inches high. Beautifully constructed of either red hemlock or silver birch. State which when ordering. \$2.

Woodland Feeder

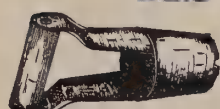
No. 720



Similar to No. 709 but designed to feed only on one side. Can be conveniently placed on trunk of tree or near window. Nine inches high. Finished in red hemlock or silver birch. State which when ordering. Complete with one suet cake. 80 cts.

Burlap, Burners, Carts, Cultivators, Etc.

Bulb Planter



The tapered cup removes soil and makes a perfect planting-hole in one operation. Junior, 50 cts. each; Senior, long handle; stooping unnecessary (not illustrated), \$4.

Burlap

Natural color in bolts of approximately 100 yards. Per yd.

36 in. \$0 20
48 in. 22
60 in. 25

Lots of 500 yds. or more, deduct 3 cts. per yd.; less than 25 yds., add 5 cts. per yd.

Green color in bolts of 50 yards. Per yd.

35 in. \$0 30
48 in. 40
Less than 50 yds., add 5 cts. per yd.

Sawco All-Steel Burner

A portable incinerator. Made of strong angle iron and heavy steel expanded metal netting which is fire-proof and guaranteed for years.



Capacity Size of Top Depth Each
No. 1. 16 cu. ft. 36 in. x 48 in. 24 in. \$48 50

Portable Burner



This knock-down Burner is a safeguard against fires that originate in the burning of rubbish in the open.

Square Height Each
No. 1. 15 in. 22 in. \$3 00
No. 2. 17 in. 29 in. 4 00

Wire Leaf Rack



A practical device for transporting leaves, cut grass, and litter. Can be attached to any wheelbarrow having removable sides. Made of galvanized wire belted to a wooden base; capacity 10 bushels. Price, Rack only, \$10; Rack and Barrow, \$19.

Galvanized Burner

Perforations on all sides, top and bottom, and raised on heavy metal legs. Iron drop handles.

Diameter Height Each
No. 1. 18 in. 28 in. \$5 00
No. 2. 20 in. 28 in. 6 00



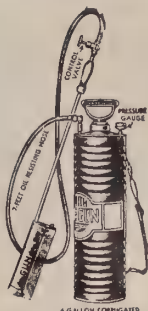
Sawco Stump Incinerator



A well-made cement composition Incinerator for the home, country, or estate. Height 36 inches, diameter 18 inches. Strong steel grate. Side opening at bottom for draft and to easily remove ashes. Rustic bark finish. \$14.50.

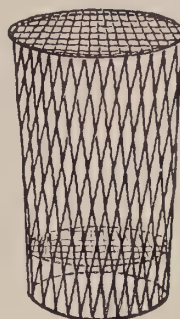
Sawco Flame Gun

For burning weeds, disinfecting poultry houses, thawing frozen pipes, melting ice and snow, splitting large rocks and boulders, burning tree stumps, sterilizing infected soil, destroying weeds in stone walls, driveways, tennis courts, destroying insect pests such as grasshoppers, locusts, caterpillars, chinch bugs, etc., spraying insecticides on plants. \$19.50.

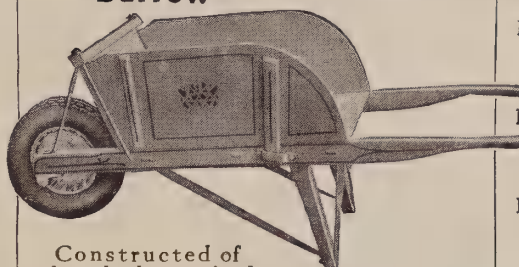


Incinerator

No. 108. 19-in. diameter at top; 15-in. diameter at bottom; 28 in. high. Welded rings are 1/4-in., galvanized. Wire mesh is No. 10 gauge galvanized, 2 3/4-in. diamond mesh. Supplied with hinge cover. Weight 10 lbs. \$3.



Sawco Garden Barrow



Constructed of selected, clear-grained hardwood and finished in the natural wood, varnished, light and substantial for long service. All Barrows except No. 2 with either steel or pneumatic-tired wheels.

	Front Width	SIZE OF BOX		Rear Width	Tread
		Depth	Length		
No. 2	15 1/2 in.	9 in.	21 in.	18 in.	1 1/2 in.
No. 4	18 1/2 in.	12 in.	26 1/2 in.	23 in.	3 in.
No. 5	20 in.	12 in.	28 in.	24 in.	3 in.

With Steel Wheel: No. 2, \$7.50; No. 4, \$9; No. 5, \$9.50.

With Pneumatic-Tired Wheel: No. 4, \$17.75; No. 5, \$18.

Sawco Garden Cart



A light, sturdy cart for the lady or junior gardener. All steel. Wheel is 12 inches in diameter; hard rubber tire. Length, 5 feet; 17 1/2 inches wide at handles. Strong one-bushel oak splint basket. \$6.50.

Handi-Cart



Sturdily supported sheet-metal body; solid steel axle; disc wheels; rubber tires. Will give years of satisfactory service. Can be used for a thousand odd jobs. Raking grass cuttings, leaves, trash, earth, sand, and gravel. Merely tip down to load, no lifting necessary. Capacity, 2 cubic feet. Length across when pushing, 28 in.; width across 17 in.; depth in center 14 in. \$5.25.

Cultivators, Planet Jr.



NO. 16 SINGLE WHEEL CULTIVATOR. Consists of 1 pair of 6-in. Hoes, 3 Cultivator Teeth, 1 large Garden Plow, 1 Rake 7 in. wide, 1 Rake 4 in. wide. \$8.75.

NO. 17 SINGLE WHEEL CULTIVATOR. Comprises 1 pair of 6-in. Hoes, 1 Plow and Cultivator Teeth. Sufficient for most garden work. \$7.75.

NO. 12 DOUBLE WHEEL CULTIVATOR. A Single and Double Wheel Cultivator in one. As a Double Wheel Hoe, it straddles crops until 20 inches high, cultivating both sides at once. Comprises 1 pair of 6-in. Hoes, 4 steel Cultivator Teeth, 1 pair of Plows, and 2 Leaf-lifters. \$11.50.

NO. 119 HIGH WHEEL CULTIVATOR. Single Wheel. Has a special 24-inch steel wheel. The outfit consists of one 1 1/2-in. Cultivating Tooth, 1 4-in. Cultivating Tooth, 1 Plow, and 1 Reversible Scuffle Blade. \$4.50. Special Fertilizer Attachment No. 215 for No. 119 Planet Jr. for side dressing or drilling. \$6.95.

FIRE FLY GARDEN PLOW. It will throw a furrow 4 to 6 inches wide and 1 to 3 inches deep. Furrow may be deepened by going a second time along the row. \$4.50.

See page 121 for Planet Jr. Seeders

Dibbles or Dibbers



Just the tool for transplanting tomatoes, cabbage, celery, etc.

Brass Point, Wood Handle. The best Dibber. Self-cleaning; does not rust. \$1.25.
Steel Point, Wood Handle. Regular size, 9 3/4 in., 85 cts.

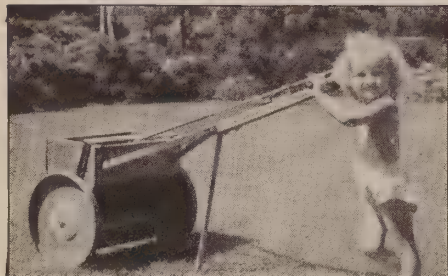
Asparagus Knives



Straight Edge. 30 cts. **V-Shaped.** 35 cts.

Distributors, Edging, Fence, Forks, Gloves, Etc.

Planter's Perfect Distributor



Distributes fertilizers, grass seed, and top-dressing. It has a positive shut-off control and adjusting device right on the handle to regulate the desired quantity to be sown. 24-in. width. Junior. Holds 65 lbs. \$17 00 36-in. width. Senior. Holds 100 lbs. 23 75

Planter's Midget Distributor

Sturdy little machine for small lawns; spreads fertilizer, grass seed, top-dressing, etc. Has revolving agitator and adjustment device. Shut-off is on handle. 16-in. width. Holds 20 lbs. \$3.75.



Warren-Church Spreader

Will handle fertilizer or grass seed accurately in any desired quantity. A positive agitator keeps the material flowing evenly while a convenient lever and shut-off gate regulates the quantity. Spreads 14 inches. \$7.

Planet Jr. Revolving Disc Edger



Trims accurately and quickly. \$1.40.



Turf Edgers

Half Moon

Solid Welded-Steel Edging Knife. Imported English. 8-in., \$2.50; 9-in., \$3. **Half-Moon Edging Knife.** Solid steel, with a polished handle. \$1.25.



Warren-Church Steel Edging

A heavy corrugated galvanized steel edging in 12-foot lengths, staked every 3 feet with 1-foot angle steel galvanized stakes. Each length fitted together with galvanized steel pin

end connections. 3 3/4 inches wide. Prices per foot: up to 48 ft., 24 cts., 48 to 240 ft., 23 cts., 240 to 480 ft., 22 cts., 480 to 960 ft., 21 cts.

This same edging made of lifetime zinc can be had at an additional 5 cts. per foot. For bending curves, add 10 cts. per foot.

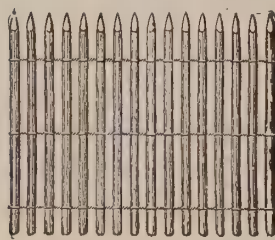
Warren-Church Cedar Fence



Made of split cedar poles spaced 3/4 inch apart. Furnished in rolls 16 ft. long. Gates to match.

Per lineal ft.	3 3/4 ft. wide Walk-Gates	10 ft. wide Double-Driveway Gates
3 ft. high.. \$0 70	\$9 75	\$24 00
4 ft. high.. 75	11 50	26 50
5 ft. high.. 95	13 50	30 00
6 ft. high.. 1 20	15 00	32 50

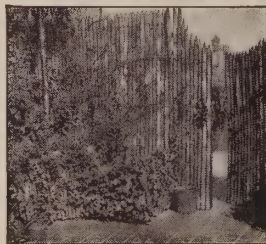
Cleft Chestnut Fencing



Rough split chestnut, spaced 1 inch apart. Roll 16 feet long and in three heights. Gates to match.

Plain Per lineal ft.	With Posts and Rails Per lineal ft.
3 ft., 10 in. high..... \$0 85	\$1 10
4 ft., 11 in. high..... 1 05	1 30
6 ft., 6 in. high..... 1 30	1 65
3 ft. wide Walk-Gates	10 ft. wide Drive-Gates
3 ft., 10 in. high..... \$14 25	\$28 50
4 ft., 11 in. high..... 15 50	33 00
6 ft., 6 in. high..... 16 50	37 50

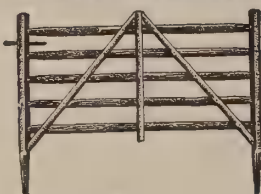
Dubois Woven Wood Fence



Made of split chestnut. Comes in sections 5 feet long and five heights. Gates to match.

Plain Per lineal ft.	With Posts and Rails Per lineal ft.
Dubois Woven Wood Fence in city penthouse garden	
3 ft., 10 in. high..... \$1 35	\$1 60
4 ft., 11 in. high..... 1 65	1 95
6 ft., 6 in. high..... 1 90	2 25
8 ft. high..... 2 45	2 85
10 ft. high..... 2 80	3 25
3 ft. wide Walk-Gates	10 ft. wide Drive-Gates
3 ft., 10 in. high..... \$19 25	\$38 50
4 ft., 11 in. high..... 21 00	41 25
6 ft., 6 in. high..... 23 25	44 00

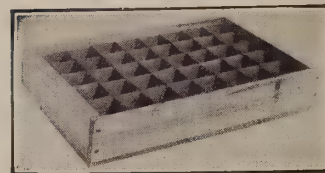
English Type Hurdle Fencing



Made of split chestnut sections 8 feet, 3 inches long. Height of Fence when set, 4 feet. Gates to match.

	Each
4-bar Hurdles.....	\$3 75
5-bar Hurdles.....	4 00

Garden Flats



Sawco Plant Flats. Made of select cypress. Set-up. Size 12 x 18 x 3 in. deep. 45 cts. each, \$4.95 per doz. Complete with 40 2-inch square paper pots. 85 cts. each, \$9.35 per doz.

FORKS



Spading Fork

Spading Forks. Best grade; tines spear-pointed with diamond-shaped back; handle strapped both sides. Each

4-tine, D-Handle..... \$2 00
5-tine, D-Handle..... 2 75
Long-Handle Forks, same price.

Manure Forks. Best grade; oval tines. 4-tine, D-Handle..... 2 00
5-tine, D-Handle..... 2 25
6-tine, D-Handle..... 2 75
Long-Handle Forks, same price.

English Type Digging Forks. 4-tine, D-Handle..... 2 75
Hay Forks. 3-tine, Long Handle..... 1 75
Boys' Spading Forks...... 1 25

Gem Hand Fork

Has three steel prongs and finished handle. A handy Fork for loosening the soil, etc. 50 cts.; with 4-ft. handle, \$1.25.



Garden Line

Best Braided Hemp. 100 ft., one length, \$2; 200 ft., one length, \$3.50.

Malleable Iron Reels for above.

No. 1. Holds 300 ft. \$2.
No. 2. Holds 600 ft. \$2.50.



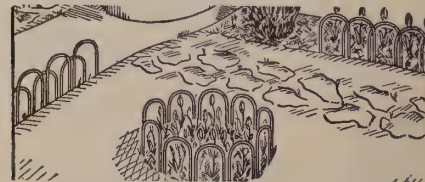
Gloves

Horsehide Garden Glove.

For general garden or household use. Sizes 7, 8, 9, and 10. \$2.25 per pair, with Gauntlet; \$1.75, without Gauntlet.

Eezy-Wear Garden Glove. Economical, dirt-proof, soft as kid. Washable. Sizes 6, 7, 8, 9, and 10. 75 cts. per pair.

Sawco Garden Guards



U-shaped pieces of steel with two tapered prongs. Ideal for lawn fence and around various plantings where protection is desired. Overall height, 24 in.; width, 12 in.

Made of 1/8-in. steel, painted green. \$3 per doz., \$15 per 100.

Glazing Materials, Grass Hooks, Hoes, Scythes and Hose Accessories

Glazing Materials

Cel-O-Glass. Durable, flexible, and light in weight. Will not crack or break like glass. Transmits ultra-violet rays. Rolls 25 and 50 feet long and 3 feet wide. 13½ cts. per sq. ft. Less than rolls, 14½ cts. per sq. ft.

Glass, Double Thick. 50 sq. ft. to box.

10 x 12-in., 60 lights, \$6.75 per box.

10 x 14-in., 40 lights, \$7.25 per box.

Liquid Putty, Old English. Can be applied with bulb or gun. Weatherproof. Does not crack. One gallon will glaze 400 square feet. Gal. \$2.75, 5 gals. \$12.50.

Mastica. For cementing cracks or seams in roof-joints and frames of greenhouses, sash, etc. Gal. \$3, 5 gals. \$14.

Sawco Glazing Gun. Trigger type. For applying glazing compounds. \$5.50.

Putty Bulb, Scollay's. For applying liquid putty. \$1.50.

Glazing Points, Van Reyper's. For single- and double-thick glass. 75 cts. per 1000, \$3.25 for 5000. Pliers 75 cts.

Zinc City Glazing Points. In ⅝, ¾, and 1 in. 1-lb. box 60 cts.

Glass Cutter. 25 cts.

Putty Knife. 35 cts.

Summer Cloud. A green shading. Mix with water and apply with syringe or sprayer. 8-oz. tin \$1.

Green Shading. Protects plants from heat of sun. Brush or sprinkle on. Lasts about six months. Gal. \$3, 5 gals. \$13.75.

Greenhouse Aluminum Paint. Moisture-resistant, gives greater light-reflection. Gal. \$4, 5 gals. \$18.75.

Greenhouse White Paint. Full-bodied, long-life White Paint that withstands cold, heat, and humidity. Gal. \$3.75, 5 gals. \$17.



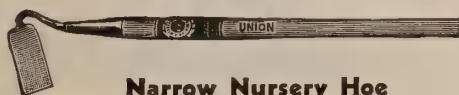
Grape Bags

Opaque. \$1.50 per 100, \$7.50 per 1000.

Glassine. \$3 per 100, \$24 per 1000.

Cycle Steel-Frame Grindstone

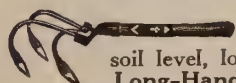
The stone is 19 inches in diameter and 2 inches thick. Weighs about 85 pounds. \$13.50.



Narrow Nursery Hoe

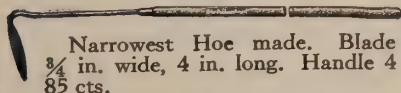
Extremely narrow Hoe designed for use in closely planted areas. \$1.25.

Norcross Cultivator Hoe



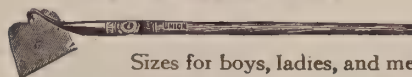
They destroy weeds, leave the soil level, loose, and untrampled. **Long-Handle, Single-Prong,** 85 cts.; **3-prong,** \$1; **5-prong,** \$1.50. **Short-Handle, Midget 3-prong,** 60 cts.

Handy Hoe



Narrowest Hoe made. Blade is ¾ in. wide, 4 in. long. Handle 4 ft. 85 cts.

Draw or Garden Hoe



Sizes for boys, ladies, and men.

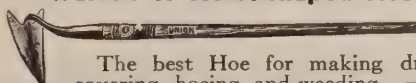
Each	Each
5-in. \$1 10	7-in. \$1 50
6-in. 1 35	

English Scuffle Hoe, Imported

(Not Illustrated)

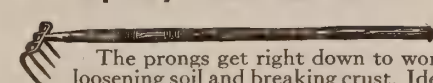
Each	Each
4-in. \$1 35	7-in. \$1 65
5-in. 1 45	8-in. 1 75
6-in. 1 55	9-in. 1 85

Warren or Heart-shaped Hoe



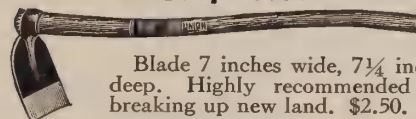
The best Hoe for making drills, covering, hoeing, and weeding. **Each**
Small size. 4-ft. Handle. \$1 25
Medium size. 4-ft. Handle. 1 50
Midget, short handle. 85

"Speedy" Cultivator Hoe



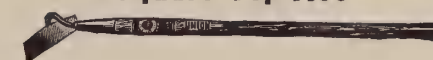
The prongs get right down to work, loosening soil and breaking crust. Ideal weeder. 3-prong, \$1.25; 4-prong, \$1.50.

Grape Hoe



Blade 7 inches wide, 7¼ inches deep. Highly recommended for breaking up new land. \$2.50.

Square-Top Hoe



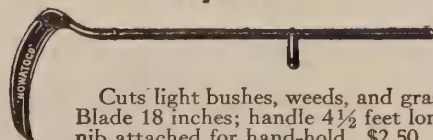
Will penetrate an inch or so, cutting off young weeds and forming light mulch to conserve moisture. \$1.25.



A. Earle Special Bush Hook. Ideal for heavy work. \$3.

B. Little Giant Bush Hook. A combination Bush Hook and Axe. Heavy-duty tool for exceptionally heavy work. \$3.50.

Scythehook



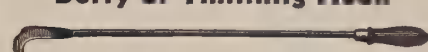
Cuts light bushes, weeds, and grass. Blade 18 inches; handle 4½ feet long, nib attached for hand-hold. \$2.50.



Grass Hooks

Warren-Church. Good quality. 75 cts.
Imported English. Heavy riveted back, thin cutting blade. Medium, \$1.50; Large, \$1.75.
Sawco. Blade forged from razor steel, hollow ground. 1-in. offset. \$1.50. Also can be furnished for left-handed use at same price.
Grass Shaver. Uses any double-edge razor blades. Price complete, with Blades, \$1.25.

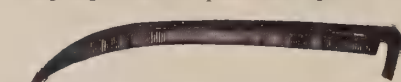
Berry or Thinning Hook



For thinning out berry bushes and shrubbery. Fine for sprouts and suckers. \$1.25.



Bush Scythe. Slightly heavier and shorter than a grass hook; 18 inches long. Especially used for heavy growth where ordinary scythe is not practical. \$2.25.



Imported English. Has a riveted back and broad, thin, light blade. Best Scythe for cutting grass, rye, oats, etc.

32-in. Medium.	\$3 50
34-in. Large Medium.	3 75
36-in. Large.	4 00

Domestic. Cutlery steel, natural oil finish, cutting edge, web and backs polished.

32-in. Medium.	\$2 75
36-in. Large.	3 00

Scythe Snath or Handle. The very best, with patent socket. \$2.50.

Graswip

The new, double-edged, long-handled Grass Cutter. Easiest way to cut long grass. Use it like a golf club. Cuts rapidly on both the forward and backward swing. 37-in. shaft. \$1.25.

Scythe Stones



Scythe Stones, Genuine English. Round, tapering. 45 cts.

Unbreakable Radiac. 30 cts. each, \$3.25 per doz.

Scythe Rifles, Emery-coated. 25 cts. each, \$2.75 per doz.

Hose Accessories

Siamese Hose Attachment. Permits use of two leads of hose at one time. ¾-in., \$1.50.

Hose Clamps or Bands. ½- and ¾-in. sizes, 10 cts. each, \$1.10 per doz.

Regular Hose Couplings. Easily applied. ½- and ¾-in., 25 cts. each, \$2.50 per doz.

Perfect Clincher Hose Coupler. Self-fastening Coupling that does not require extra bands, bolts, or wire. ½- and ¾-in., 30 cts. each, \$3.50 per doz.

Jiffy Hose Coupling. With special wrench, the coupling is firmly embedded in the rubber lining of hose. For ½-in., ¾-in., and 1-in. hose. \$6 per doz. sets. Wrench, 80 cts. extra.

Snaptite Coupling. A spring-snap Coupling. Can be used on faucet or between lengths of hose. 65 cts. each, \$7.75 per doz.

Perfect Clincher Hose Mender. ½- and ¾-in. sizes, 15 cts. each, \$1.50 per doz.

Cooper's Brass Hose Mender. No fasteners required. ½- and ¾-in., 20 cts. each, \$2.25 per doz.

Hose Shutoff. Brass. Used between lengths or on end of hose. ¾-in., \$1.35.

Gooseneck Swivel. Prevents kinking; turns all ways. 50 cts.

Hose Washers. For ¾-in. hose. 10 cts. per doz.

Hose Reels, Garden Hose, Nozzles, and Knives



Evertite Hose Coupling

No threads. No leaks. No kinks.

Instantly applied. Simple, durable, and tight. Can be used on faucet, also between lengths of hose and on lawn sprinklers. Washers countersunk so they won't come out. 60 cts. each, \$6.50 per doz.

Goldsmith Hose Rack

A hose-preserver, since the hose hangs on the rack in large, natural coils, thus preventing kinking and twisting. \$1.50.



All-Iron Hose Reel

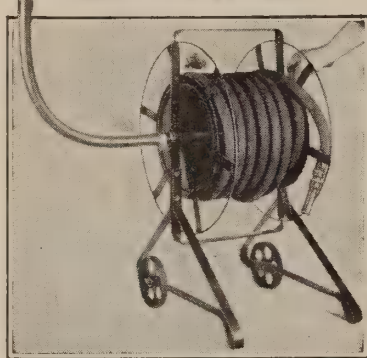
No. 10. 21-in. Wheel, holds 100 feet $\frac{3}{4}$ -in. Hose. \$5.50.

No. 20. 24-in. Wheel, holds 150 feet $\frac{3}{4}$ -in. Hose. \$6.

No. 30. 30-in. Wheel, holds 500 feet $\frac{3}{4}$ -in. Hose. \$11.50.



Sawco Hose Reel



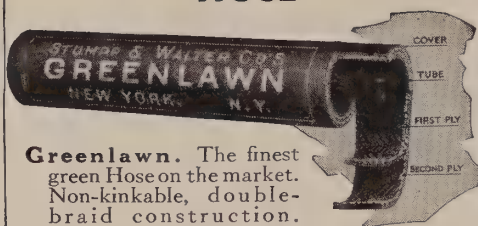
The great advantage of the Sawco Hose Reel is that it is placed alongside of the faucet and the reel is attached to it by a short length of hose (about 3 or 4 feet). All that is necessary then is to uncoil only the length of hose you require to use. Wind it back on the reel with the crank when you have finished using it.

Capacity of reel—100 feet of $\frac{3}{4}$ -inch hose. Reel, without hose, \$6.50.

Hose Holders

Sykes Hose Holder. Made of twisted wire. Rust-resistant. Fits $\frac{1}{2}$ -, $\frac{5}{8}$ -, and $\frac{3}{4}$ -in. hose. 35 cts.

HOSE



Greenlawn. The finest green hose on the market. Non-kinkable, double-braid construction. Smooth cover. Inner tube and outside cover made of the finest rubber obtainable. Pure gum rubber used between the braids. $\frac{3}{4}$ -in. bore, 25 ft. \$6.50, 50 ft. \$12, 100 ft. \$22.50. 1-in. bore, 25 ft. \$8, 50 ft. \$15, 100 ft. \$26.50.



Wayahead. Surpasses all the cheaper grades of Hose. A two-braid Hose with a smooth black cover. $\frac{3}{4}$ -in. bore, 25 ft. \$4.50, 50 ft. \$8, 100 ft. \$14.



Warren-Church Garden Hose. The reinforcement consists of one double-braid super-twist cord with raised corditions. Highest quality rubber used in tube and cover. A light-weight hose of great strength. Chocolate-brown in color. $\frac{5}{8}$ -in. bore. 25 ft. \$3.75, 50 ft. \$7.25, 100 ft. \$12.

Spray Hose. High pressure. Good quality. $\frac{3}{8}$ or $\frac{1}{2}$ in. Maximum pressure 300 lbs., 25 cts. per ft. Maximum pressure 500 lbs., 35 cts. per ft. Extra for fittings.

Hose Nozzles



Justrite. Gives a copious spray or full stream. 65 cts.

Bordeaux. For whitewash and all heavy spray materials. 75 cts.

Water Gun. Adjustable from fine to full stream. Comes with brass spike for setting in ground as sprinkler. No leakage or drips. \$2.

Flaring Rose Hose Sprinkler

Ejects a fan-like gentle spray. For watering seedlings and newly planted grass-plots. Stamped brass, 65 cts. each; cast brass, with shutoff, 90 cts.



Aquamatic Nozzle



Gives solid stream or spray. A positive quick shutoff. No leaks or drips. Made of cast brass. Furnished with 3-inch brass rose. \$2.75.



Tri-Con All-Purpose Nozzle

Only Nozzle with Hi-Velocity Reversible Cap. Trigger handle made of steel, nickel-plated. Body white brass, nickel-plated. Fits any standard garden hose connection. Special clamp permits using nozzle as lawn sprinkler. \$1.50.

Florist Nozzle. Cast brass; 4 inches round. $\frac{3}{4}$ -inch. Delivers a fine rain. \$1.75.

Stott's. Gives a very fine mist spray. Splendid for reaching under foliage to exterminate red spider. Single, \$2; double, \$3.50.

KNIVES

Budding and Pruning



- No. 1. Strong Pruning Blade; Cocoa Each Handle. \$1 50
- No. 3. Pruning and Budding Blades; Patent Stag Handle. 2 25
- No. A. Two Blades; White Handle. . . 2 25
- No. B. Budding Blade with Ivory Budder; Smooth Black Handle. . . . 2 00
- No. C. Two strong Budding Blades; White Handle. 1 75
- No. D. Aluminum Handle Budding Knife. Imported. One Blade. . . . 2 50
- No. E. Folding Ivory Budder with Smooth Black Handle. Imported. One Blade. 3 00
- No. F. Genuine All-Ivory Handle Budding Knife. Imported. One Blade. . 6 00
- Warren-Church Budder and Pruner.** Two Blades; Black Handle; Brass lined. Highest quality. . . . 2 00

Power Lawn Mowers, Hand Mowers and Trimmers

Lawn Queen Power Mower

A quality-built Mower for fast, clean cutting of moderate-sized lawns. A sturdy machine that will give many years of fine low-cost performance. Any member of the family can operate it. 20-inch cutting width.

Has steel 5-blade reel, easily adjusted to cut as low as $\frac{1}{2}$ inch and as high as $1\frac{1}{2}$ inches. Hard rubber-tired wheels. $\frac{3}{4}$ h.p. engine delivers smooth, steady power. Roller-bearing wheels. \$90. Grass Catcher, \$2.50 extra.



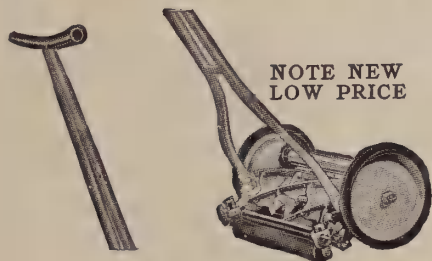
Lawn King Power Mower

Ideal for suburban homes, small parks, cemeteries, and estates. Its light weight and compactness permit easy operation around trees, hill-sides, or terraces. Cutting width, 24 inches. 1 h.p. gasoline engine. Cut-



ting unit, 5-blade chrome nickel steel. Cutting height as low as $\frac{1}{2}$ inch and as high as $2\frac{1}{4}$ inches. Pneumatic traction wheels 11 x 3.50. Weight 155 lbs. \$190. Grass Catcher, \$4.50 extra.

Clemson Precision Mower



NOTE NEW
LOW PRICE

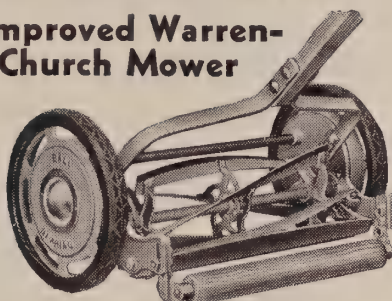
Light in weight; all parts die-cast alloy metal; welded steel handle; chromium-plated grip. Beautifully finished in canary-yellow enamel and chrome. Net weight, 32 lbs. Full 17-in. cut, \$24.50. Grass Catcher, \$2.25 extra.

Sawco All-Steel Lawn Mower



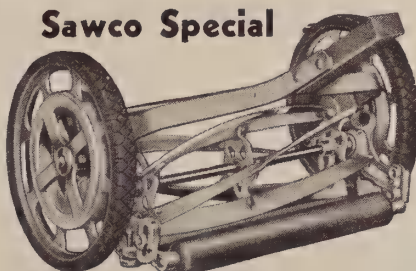
Made of cast steel. Unbreakable; will last a lifetime. Hard rubber tires. Five blades, 16-in. cut, \$18.50; 18-in. cut, \$19.25.

Improved Warren- Church Mower



An honestly built low-price Mower with hard rubber tires permanently installed into the grooves of the wheels. 5 blades of high-quality steel. 16-in. cut, \$11.75. Grass Catcher, \$1.75 extra.

Sawco Special



A good value. Hard rubber tires. 5 blades. 16-in. cut, \$8.95. Grass Catcher, \$1.75 extra.

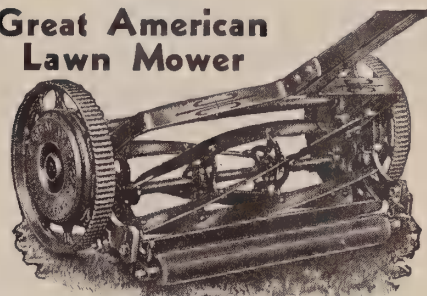
Easy Border Mower



Overlaps the
lawn and mows
clear to the edge.

Cuts closer to borders, walks, walls, and flower-beds than any Mower made. 4 revolving blades; crucible steel knives; hollow steel drum; full width support. 12 in., \$25; 14-in., \$28.

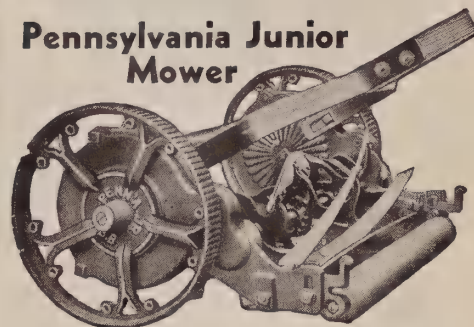
Great American Lawn Mower



Reliable heavy-duty machine.

	Price 5 blades	Grass Catcher
15-in.	\$16 95	\$1 75
17-in.	18 25	2 25
19-in.	19 45	2 25

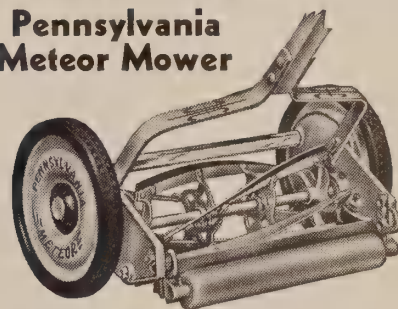
Pennsylvania Junior Mower



Particularly adapted for the cutting of
tees and approaches. 5 blades.

Size	Price	Grass Catcher
15-in. cut.	\$22 75	\$1 75
17-in. cut.	24 95	2 25
19-in. cut.	26 85	2 25
21-in. cut.	28 75	2 25

Pennsylvania Meteor Mower



Built of aluminum—quiet and fast. Pushes easily. Very light weight and precision built throughout. Five high-carbon steel blades. Ball bearings. 10-inch wheels. Hard rubber tires.

16-in. cut. Weight 35 lbs.	\$19 95
19-in. cut. Weight 38 lbs.	21 95

Pennsylvania Lawn Trimmer and Edger

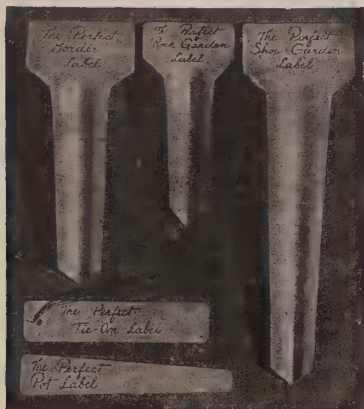
Equipped with steel disc and small plow. Width of cut $5\frac{1}{2}$ inches. Can mow close up to trees, walls, paths, and flower-beds. \$9.85.



Labels, Mats, Paper, Watering Pots, Etc.

LABELS

Perfect Garden Labels



Lead-pencil markings on this Label are permanent without any protection, in all weathers. Markings can be erased with pencil eraser and marked again.

Rock-Garden. Face, $1\frac{1}{4} \times \frac{7}{8}$ inches; length, 4 inches. 90 cts. per doz., \$1.75 for 25, \$6.75 per 100.

Border. Face, 2×1 inches; length, 6 inches. \$1 per doz., \$2 for 25, \$7.75 per 100.

Tie-On (with copper wire). Face, $3\frac{1}{2} \times \frac{3}{4}$ inches. 50 cts. per doz., \$1 for 25, \$3 per 100.

Show Garden. Face, $2 \times 1\frac{1}{4}$ inches; length, 7 inches. \$1.25 per doz., \$2.50 for 25, \$9.50 per 100.

Pot, Tapering. Face, $4 \times \frac{3}{4}$ inches. 35 cts. per doz., 70 cts. for 25, \$2.50 per 100.

Pot or Garden Labels

Wooden, Painted.	100	1000
4-in.	\$0 45	\$2 50
5-in.	55	2 75
6-in.	65	3 00
8 x $\frac{7}{8}$ -in.	1 00	6 00
10 x $\frac{7}{8}$ -in.	1 50	7 25
12 x $1\frac{1}{8}$ -in.	1 60	10 50

Copper-wired. $3\frac{1}{2}$ -in. Painted 50 3 75

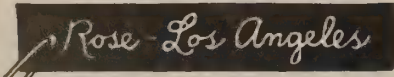
Label Pencils. To write on wood labels. 15 cts. each, \$1.65 per doz.

Indelible Ink. Bottle 50 cts.

X-L-All Pencil. (Imported.) 35 cts. each.

Sawco Label Tape. (Transparent.) For protecting pencil-writing on wood labels. Improves visibility. Climatic conditions will not hinder same. Roll contains 36 yards. $\frac{1}{2}$ -in. for $3\frac{1}{2}$ -, 4-, 5-, and 6-in. labels, 75 cts. per roll; $\frac{3}{4}$ -in. for 8-, 10- and 12-in. labels, \$1 per roll.

Green Weatherproof Labels



Tie-On. Green Labels easily marked with a sharp-pointed steel stylus which cuts through to the white base. Prices include Copper Wires and Steel Stylus for marking.

	Doz.	100
No. 31. 3 x $\frac{1}{2}$ -in.	\$0 40	\$2 50
No. 32. 4 x $\frac{3}{4}$ -in.	60	4 00

Rock-Garden. Same as above. For use where the wired or stake type of Label is not appropriate.

No. 51. 4 x $\frac{5}{8}$ -in.	\$0 45	\$3 00
No. 52. 5 x $\frac{3}{4}$ -in.	70	4 50



Hotbed Mats

No. 1. 40 x 76 in. Burlap both sides. \$2.50 each, \$25 per doz.

No. 2. 76 x 76 in. Burlap both sides. \$4 each, \$40 per doz.

No. 3. 40 x 76 in. Burlap one side, waterproof duck on the other. \$3.50 each, \$35 per doz.

No. 4. 76 x 76 in. Burlap and waterproof duck. \$5.50 each, \$55 per doz.

Mattocks



Cutter Mattocks. 6 lbs. Tempered tool steel. Polished edges. With handle, \$2.50.



Pick Mattocks. 6 lbs. Tempered tool steel. Polished ends. With handle, \$2.25.

Bird Netting

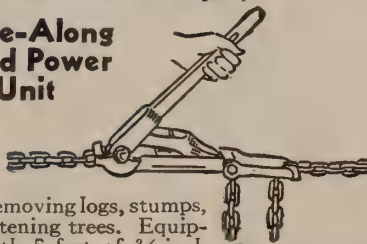
For the protection of strawberry beds and fruit trees against birds. 1-in. mesh only, in 20- and 30-ft. widths. \$2 per 100 sq. ft.

Kumfort Knee Pads



A comfort-giving knee-cushion with adjustable straps. Fits any knee; will not slip down when walking. Prevents moisture from penetrating the clothes and provides added life to work clothes. \$1.50 per pair.

Come-Along Hand Power Unit



For removing logs, stumps, straightening trees. Equipped with 5 feet of $\frac{3}{8}$ -inch strong chain. Tested to 6000 pounds. Length of travel 47 inches. Weight 18 pounds. \$10.50. Extra chain, 50 cts. per foot.

Paper

Wax, White or Green. 18 x 24 in., ream. \$2 00

24 x 36 in., ream. 3 75

Tissue, White. 24 x 36 in., ream. 3 00

Manila. 24 x 36 in., ream. 3 00

Wrapping Paper, Kraft, in rolls. Per roll

30-in. (approximately 45 lbs.) \$7 50

36-in. (approximately 54 lbs.) 8 50

36-in., waxed one side (approximately 70 lbs.) 15 00

Crêpe Paper, Green, Waterproof. 75

Paper Holder and Cutter for rolls. A

holder to be attached to your potting-shed

bench. 30-in., \$4; 36-in., \$4.50.

Perfect Fruit-Picker



Made of steel wire, heavily galvanized. Prevents bruising of fruit. Can be attached to any pole. 60 cts.



Fruit Picking Bag

Made from heavy-grade duck. Adjustable shoulder-straps. Steel band keeps bag open. Bag empties from the bottom by simply releasing rope from hook. \$2.50.

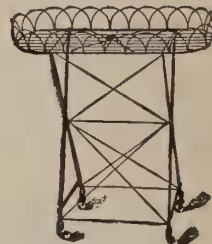
Plant-Stands

Made of fabricated steel. Castor wheels. Ideal for houseplants.

Single Tray. 10 x 24 in. \$4.

Two-Step. $7\frac{1}{2} \times 30$ in. \$6.75.

Three-Step. $7\frac{1}{2} \times 30$ in. \$8.50.



Watering Pots



French Oval Pattern. Furnished with 2 Roses.

6-qt. \$5 75 | 12-qt. \$8 00

8-qt. 6 25 | 16-qt. 9 00

10-qt. 7 00 | Extra Roses... 75

Haw's Pattern. Imported. Furnished with 2 Roses.

2-qt. \$6 00 | 6-qt. \$7 50

3-qt. 6 50 | 8-qt. 8 50

4-qt. 7 00 | Extra Roses... 2 00

Round Pattern. Furnished with 2 Roses.

6-qt. \$5 25 | 12-qt. \$7 50

8-qt. 6 00 | 16-qt. 8 50

10-qt. 6 75 | Extra Roses... 75

Warren-Church. Light weight. Round; galvanized. Single Brass Rose.

4-qt. \$0 85 | 10-qt. \$1 75

6-qt. 1 00 | 12-qt. 2 25

8-qt. 1 25

Ladies' Enameled. In three colors, green, red or ivory. Handy for watering plants indoors. Single Rose, 2-qt. only, \$1.50.

Pots, Pans, Saucers, Rakes and Flower Holders

Flower Pots, Standard



Flower Azalea Bulb

EARTHENWARE. Best on the market.

Diam. at top	Each	Doz.	100	1000
2 in.		\$0 30	\$1 75	\$15 00
2½ in.		35	2 00	17 50
3 in.		45	2 75	22 50
4 in.	\$0 10	75	4 00	32 50
5 in.	15	1 10	7 00	57 50
6 in.	20	1 60	10 00	85 00
7 in.	30	2 60	16 00	135 00
8 in.	40	3 20	20 00	190 00

Saucers for Above

Diam. at top	Each	Doz.	100
4 in.	\$0 05	\$0 50	\$3 50
5 in.	05	55	4 00
6 in.	10	90	6 50
7 in.	10	1 10	8 50
8 in.	15	1 60	12 00
9 in.	20	2 00	16 00

Flower-Pot Saucers

FIBREWARE. Waterproof

Order Saucer 2 inches larger than the bottom diameter of pot.

Diam. Inside	Each	Doz.	Diam. Inside	Each	Doz.
4½ in.	\$0 60	\$6 50	10½ in.	\$1 10	\$12 00
5½ in.	70	7 50	12½ in.	1 50	16 50
7½ in.	80	8 75	14½ in.	2 00	22 00
8½ in.	1 00	11 00	16 in.	2 35	25 50

Green Rubber Saucers

Ridge in center permits free flow of water from bottom of pot. Absorbent pad in center releases water to plant when needed.

Diam. at bottom	Takes pot	Each	Doz.
1. 4 in.	Up to 6 in.	\$0 25	\$2 50
2. 6 in.	Up to 8 in.	45	4 50
3. 8½ in.	Up to 12 in.	90	9 00
4. 10½ in.	Tubs up to 10½ in. bottom diameter	1 35	13 50

Earthenware Bulb Pans

Diam. at top	Each	Doz.	100
6 in.	\$0 20	\$2 00	\$12 00
7 in.	25	2 50	17 50
8 in.	35	3 50	25 00
9 in.	55	5 50	40 00
10 in.	75	7 50	50 00
12 in.	1 35	13 50	100 00

Square Earthenware Pans

Size	Each	Doz.
6 x 6 in.	\$0 90	\$9 75
8 x 8 in.	1 25	13 75
10 x 10 in.	1 50	16 50
12 x 12 in.	1 75	19 25

Earthenware Azalea Pots

Resemble bulb pans, but deeper.

Diam. at top	Each	Doz.	100
6 in.	\$0 20	\$2 00	\$12 00
7 in.	25	2 50	17 50
8 in.	35	3 50	25 00
9 in.	55	5 50	40 00
10 in.	75	7 50	50 00

Paper Flower Pots, Neponset

Very economical; waterproof; can be nested closely for shipping.

Diam.	Doz.	100	1000
2¼ in.	\$0 20	\$0 80	\$4 50
2½ in.	25	85	4 75
3 in.	30	1 00	6 00
3½ in.	35	1 30	8 00
4 in.	50	1 60	9 50
5 in.	65	2 20	12 75
6 in.	85	2 85	17 00

Square Paper Pots

Made of specially treated Kraft board. Eliminates waste. Come knocked down. 2-in., \$1.25 per 100, \$12.50 per 1000. 3-in., \$1.75 per 100, \$17.50 per 1000.

Watermat



They are for standing flower pots on.

A compressed organic fibre that takes up water by capillary action. Complete with rustproof saucer. Small (fits 4- and 5-in. pots), 35 cts. Medium (fits 5- and 6-in. pots), 40 cts. Large (fits 7- and 8-in. pots), 50 cts. Extra Large (fits 10- and 12-in. pots), \$1.25.



Flower-Pot Brackets

Very strong and durable. Can be attached to side of window and swung away or toward sun, as desired.

No. 1. Arm, 7 in., holds 5-in. pot....	\$0 75
No. 2. Arm, 8 in., holds 6-in. pot....	1 00
No. 3. Arm, 10 in., holds 7-in. pot....	1 25



Sawco Lawn Cultivator Rake

Consists of a heavy, solid head, carrying 13 curved, sharp-pointed and sharp-edged teeth. The Cultivator Rake tears out clover or crab-grass and roughens the turf to prepare it for reseeding. With handle, \$2.50.



Lawncomb

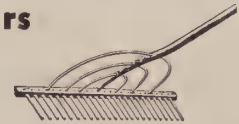
The flexible, springy teeth make it very desirable for cleaning around plants, vines, shrubbery, and flower-beds. Also for cleaning gravel paths;

it removes leaves and other refuse without disturbing the gravel or crushed stone. 18-in., \$1.35; 24-in., \$1.75.

Enterprise Rake. Removes weeds and dead grass with ease. Aérates turf so that sun and air can carry nutrition to roots. \$3.50.



Dandelion Rake. Large, saw-edge teeth; concave blade. Ideal for pulling dandelions. \$1.50.

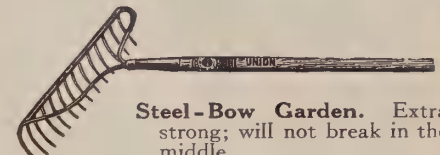


Wood Hay and Lawn Rake. Made especially with an extra-heavy head for double service. Each Doz.
Hay, 14-tooth.....\$1 35 \$14 00
Lawn, 28-tooth.....1 75 18 00



Steel Garden. Cut from one piece of steel; strong and durable. Polished teeth.

10-tooth....	\$1 20	14-tooth....	\$1 35
12-tooth....	1 25	16-tooth....	1 45



Steel-Bow Garden. Extra strong; will not break in the middle.

12-tooth....	\$1 35	16-tooth....	\$1 65
14-tooth....	1 45		



Bamboo Rake

Fitted with polished wooden handle. Cleans the turf as gently as the human hand. Best quality. Reinforced. Each Doz.

Small. 18 in. wide.....	\$0 60	\$6 60
Medium. 24 in. wide.....	90	9 90
Large. 30 in. wide.....	1 50	15 50

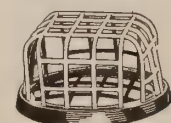


Disston Spring-Rake. Made of cadmium steel, flat tines, reinforced by a spring. Gives great strength and flexibility. All teeth work perfectly even with the ground. 18 in., \$1.60. 24-in., \$2.

Woman's Garden Tool Set



Practical for the woman gardener. Consists of Shovel, Hoe, Rake, and Fork. \$3.75. Tools in this Set can be supplied individually at \$1.25 each.



Dazey Flower Holder

Heavily constructed; galvanized and enameled green.

No.	Base	Mesh	Price
G-1	5¼ in.	¾ in.	\$1 25
G-2	4½ in.	½ in.	1 00
G-3	3½ in.	½ in.	75
14 Oval	8¼ in.	¾ in.	2 25

ROLLERS, SEEDERS, SASH, FRAMES, AND SAWS

Water-Ballast Lawn Roller

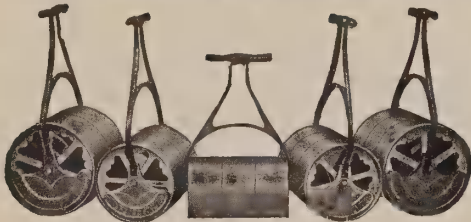


The drum has rounded edges, which prevent cutting of the sod. Heads are held through the center by a full-length axle firmly fastened by double steel lock nuts and washers. Can be filled with water or sand.

A Water-Ballast Roller makes a good lawn

No.	Diam.	Length	Weight empty	Filled with Water	Price
A	14 in.	15 in.	50 lbs.	115 lbs.	\$9 00
B	14 in.	24 in.	70 lbs.	175 lbs.	10 25
C	18 in.	24 in.	85 lbs.	265 lbs.	13 00
D	24 in.	24 in.	110 lbs.	420 lbs.	18 00
E	24 in.	32 in.	130 lbs.	565 lbs.	19 00

Cast-Iron Hand Lawn Rollers



Roller is made smooth, with outer edges rounded. Will not injure grass when turning.

No.	Sections	Diam.	Length	Weight	Price
1	2	15 in.	15 in.	150 lbs.	\$19 50
7	2	20 in.	24 in.	300 lbs.	32 50
13	3	28 in.	24 in.	500 lbs.	55 00

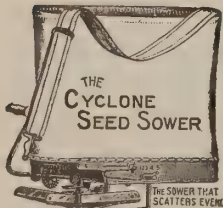
Midget Spike Roller

For the small or medium-sized lawn. Steel Tray can be weighted with stone or bag of sand. Roller 13 in. wide; Spikes 1½ in. long. \$9.



Cyclone Seeders

Sows perfectly even all varieties of farm seeds such as clover, timothy, red-top, alfalfa, rye, millet, wheat, etc. Can be regulated to sow any amount per acre. The bag holds about ½ bus. \$3.



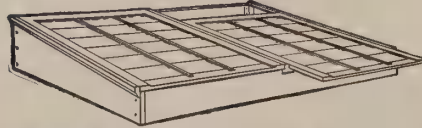
Sowrite Seed Sower

Sows Seeds at ■ Touch



It scatters seeds individually and prevents crowding and choking of the seedlings when coming up. For fine seeds, 50 cts.; for larger seeds, 50 cts.

Hotbed Sash and Frames—Glass



Single Light Sash. Standard size, 3 x 6 ft. Made of cypress. \$6.50 each, \$70 per doz.

Double Light Sash. Standard size, 3 x 6 ft. Made with two layers of glass, providing an air-chamber or insulator, which keeps the warmth in and the frost out. \$11 each.

Standard Hotbed Frames. Made of high-quality, selected cypress, free from knots. Back depth of Frame 16 in.; front depth 8 in.

	Dimensions feet	Sashes held	Frame only	Frame and Sash
No. 1.	3 x 6	1	\$11 00	\$17 00
No. 2.	6 x 6	2	13 00	25 00
No. 3.	9 x 6	3	16 00	34 00
No. 4.	12 x 6	4	18 00	42 00
No. 5.	15 x 6	5	21 00	50 00
No. 6.	18 x 6	6	25 00	60 00

Cel-O-Glass Junior Coldframe. Ideal for starting early flowers and vegetables. Size 3 x 3 ft. Sides and Sash made of air-dried cypress, painted green. Sash covered with Cel-O-Glass. Unbreakable, flexible. \$5.

Electric Soil-Heating Unit



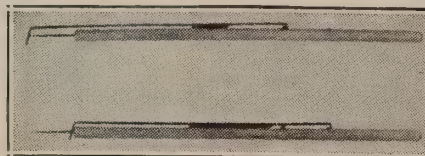
Kit No. 9100. For out-door hotbeds. Consists of a 60-foot length of cable and a control panel on which the thermostat and fused switch-box are mounted. Control panel has sufficient capacity to handle up to eight 60-foot lengths of cable. Instructions with each Kit. \$19.

Kit No. 9102. For greenhouse propagating benches. Has an outlet box wired with a 10-foot rubber cord and plug. A 60-foot length of cable is furnished to take care of a bench 2½ by 16 feet. Handles two 60-foot cables or 80 square feet of bench area. \$18.

Kit No. L317. Consists of an electric lead-covered cable 20 feet long with plug. Has capacity to heat one 3 by 6-foot frame or 18 square feet. Can be used without thermostat. The current is turned on whenever heat is needed. \$5.

Kit No. 9111. Same as No. L317 but includes a General Electric Thermostat which automatically turns current on and off as required. \$16.

Sanipic



Does efficient work in eliminating all paper and rubbish from lawns, parks, beaches, cemeteries, and golf links. Measures 35 inches long. Pressure of finger discharges waste. 85 cts.

Saws

File to Sharpen Furnished Free



California Curved. Has a very narrow blade with rip teeth. Blade tapers from ¼ inch wide at point to 1½ inches wide at butt. 14-in., \$2.



Paragon. The convex edge is toothed for fine cutting, and the opposite edge for coarse work. Blade 2½ inches wide at handle, and 1 inch at point. 16-in., \$2; 20-in., \$2.25.



Sawco. Fitted with new-style Davey handle. 20-in., \$2.75; 26-in., \$4



Tuttle Tooth. Has extra-sharp teeth that hold their edge longer. 20-in., \$3; 24-in., \$3.50.



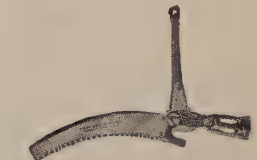
Duplex. Toothed on one edge with lightning teeth for extra-heavy, coarse work, and fine teeth on opposite edge for finer cutting. 18-in., \$2; 22-in., \$2.25.



Forester. Blade is very stiff and will not bind; tapers from 1¼ inches wide at point to 3¼ inches wide at butt. Extra-large teeth, filed and set. 26-in., \$2.75.



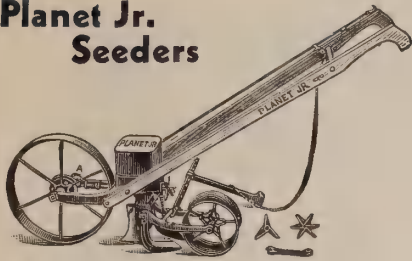
Warren-Church Pole. Blade adjustable to cut at any angle. Casting is hollowed and bored for slipping onto a pole of any desired length. A hook on this casting for dislodging cut limbs. Pole not furnished. 16-in., \$2.75.



Orchard Pruning Hook and Saw. Recommended for both pruning and sawing. Length of blade, 9½ inches. Without pole, \$3.

POLES. For Pole Pruners. Made of selected seasoned wood. 10-ft., \$1; 12-ft., \$1.50; 14-ft., \$2; 16-ft., \$2.75.

Planet Jr. Seeders



NO. 3 SEEDER. For onion-growers and market gardeners. Sows accurately in a narrow line, making wheel-hoe cultivation easy. Holds 3 quarts of seed. \$19.

NO. 25 COMBINED SEEDER AND CULTIVATOR. Single Wheel. Seed-box holds 2½ quarts of seed. Combination includes 1 pair of 6-in. Hoes, 4 Cultivator Teeth, 1 pair of Plows for hilling against the rows, 2 Leaf-guards, and 1 Marker, \$23.50.

NO. 4 COMBINED SEEDER-CULTIVATOR. Single Wheel. Will sow seeds in rows or in hills, plow open furrows and cover them, cultivate, and hoe. Holds 2½ quarts of seed. Outfit consists of 1 pair of 6-in. Hoes, 3 Cultivator Teeth, 1 Plow, 1 Leaf-guard, which lifts the leaves of the plants and prevents damage to them, and 1 adjustable Marker, which, when the machine is sowing seed, indicates the correct location of the next row. \$19.50.

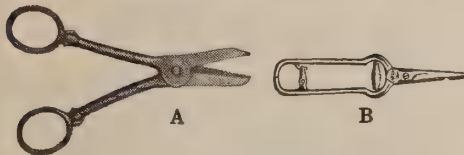
See page 113 for Planet Jr. Cultivators

Shears



A. Grape-thinning Scissors. 7 in. long. \$2.75.

B. Sawco Nickel-plated Flower-gathering Shears. Grasps flower when stem is cut. High-grade steel. 7 in. long. \$2.25.



A. Garden Club Flower - Gathering Shears. Nickel-plated. Made to hold within its grasp stem of cut-flower. \$1.50.

B. Ladies' Utility Shears. Lightweight chromium-plated Shears for general use in the garden and home. 7½-in. blade. \$1.75.



A. Warren-Church Grass Shears. Up-and-down action handle with 5-in. blades. \$1.75.

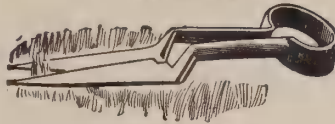
B. Warren-Church Grass Shears and Weeder. Up-and-down action handle. Length of blade 6 in. One of blades has rounded edge for lifting weeds. \$2.



Grassnips. The scissors-like Grass Shears. Practical for trimming edges and borders of lawns, flower-beds, etc. \$1.25.

Seeders, Shears, and Pruners

Grass Shears



Sawco Imported. 7-in., \$2.75.
Domestic. 6½-in., \$1.50.

Pruning Shears



Sawco Solid Steel. Crucible tool-steel, tempered and fully polished. Strong and durable. A ratchet nut keeps the Shears properly tightened; will not break; excellent finish. Made in three sizes. 8-in., \$2.75; 9-in., \$3; 10-in., \$3.25.



Warren-Church. High-quality forged steel. 9 inches long. Gun-metal finish. Lock-bottom volute spring. A very handy medium light shear. \$1.50.



Snapcut. The only lightweight Pruning Shears with genuine draw-cuts—cuts cleaner and quicker. \$2; ladies' size, \$1.50.



Super-Lite. A new light-weight Pruning Shear. Made of marine steel. Blades high carbon steel, draw-cut. Featherweight. Ladies' size, 6¼-in. \$1.75; Men's size 8½-in. \$2.50.



Ladies' Chrome. Light, practical, handy to use on roses and shrubbery. 7-in., \$2.



Hy-Power. A new cutting action that simplifies pruning. Draw-cut blade on a soft bronze anvil. Light in weight; non-pinching grip thumb lock. Nickel finish. 8-in., \$2. Ladies' size, \$1.50.



All-Steel Tree Pruner

Strictly high-class Pruner in every detail. Light, powerful, and practical; cuts 1½-inch limbs with ease. 20-in., \$2.75; 30-in., \$3.50.

Compound-Lever Pruner

Calculated for heavy work and will cut a limb up to 1¼ inches in diameter. The compound leverage relieves the strain on the pole. Working parts, being made from forgings, are very strong, without being unnecessarily heavy, and the strength, durability, easy cutting qualities of this tool appeal to all who have occasion to use a strong and powerful Pruner. 10-ft., \$6.50; 12-ft., \$7; 14-ft., \$7.50; 16-ft., \$8.



Waters Tree Pruner

A very good Tree Pruner at a low price. The blade is made of high carbon tool-steel accurately ground to cut perfectly true. Hook also made of carbon steel.

6-ft. \$2 25
8-ft. 2 50
10-ft. 3 00
12-ft. 3 25
Extra Knives, 30 cts. each.



Telephone Pole Pruner

Not Illustrated

Similar to the Waters Pruner but without pole, chain pull, \$2.25. Extra Knives, 30 cts. each.

Sawco Lopping Shears



Double-cut type. Both jaws curved and beveled to cutting edge. Just the tool for the orcharder, forester, farmer, and nurseryman. Hardwood handles; long steel ferrules. Cutting edge of blade 2 in. Overall length 27 in. \$3.

Rhodes' Double-Cut Pruner

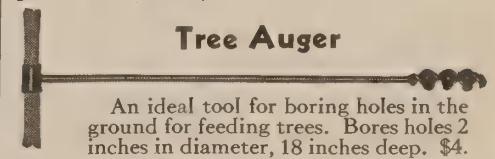


A good and powerful Pruner. Cuts from both sides of the limb, and does not bruise the bark. Long ferrules; handles do not pull out; blades are of the best forged steel. 30-in., \$4.50.

The Forester Pruner



A powerful Pruner. Cuts limbs from 1¼ to 2 inches with ease. Has patented slide-shift power-slot. 27-in., \$6.



Tree Auger

An ideal tool for boring holes in the ground for feeding trees. Bore holes 2 inches in diameter, 18 inches deep. \$4.

Shears, Shovels, Signs, Spades and Soil Testers

Border Shears

Designed to trim overhanging grass on borders, flower-beds, and walks. Imported English Steel. Without wheel, \$6; with wheel, \$6.50.

Lawn Shears

Designed to cut grass under hedges, fences, grape-arbors, and flower-beds or shrubs. Has 9-in. blades of high-grade imported English tool-steel; polished handles and blades. Without wheel, \$6; with wheel, \$6.50.

Snap-Cut Tree and Shrub Pruner

Sharp-cutting Shears on a long handle that takes a lot of the grief out of pruning. New, handy, light in weight, it has unbreakable steel cutting parts attached to a strong aluminum shaft. It is ideal for pruning briery fruits, roses, and shrubs, saving the hands from scratches. With it you can cut at the ground level without bending over, or pick high-growing flowers, prune fruit trees, high vines, etc. A serviceable tool that easily cuts $\frac{3}{4}$ -inch branches.

4 ft., \$3.75; 6 ft., \$4.50.

Sawco Long-Handle Trimming Shear

A modern Grass Shear. Eliminates stooping, kneeling, and back-breaking positions. Just as simple as walking. Shaft made of aluminum alloy. Operated from top of handle by connecting rod. Length of cutting blades 6 $\frac{3}{4}$ inches, height of Shear 38 inches. \$2.25.

Grafting Chisel

Makes clean splits and does not tear the bark. \$1.25.

Sawco Tree Scraper

A handy tool for removing loose bark that harbors insects. The incurved end takes care of the small grooves, and the broad curve, sharpened on both sides, scrapes the wide, shallow grooves. Spring-steel, forged. \$1.25.

Sieves

For covering newly sown seed there is no better way than to riddle on to it a very light covering of soil. Galvanized. 20 inches in diameter. $\frac{1}{8}$ -, $\frac{1}{4}$ -, and $\frac{1}{2}$ -inch mesh. \$2 each.

Hedge Shears



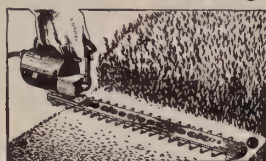
Sheffield. Finest English steel with notch.

	Each
8-in. blade.....	\$3 50
9-in. blade.....	3 75
10-in. blade.....	4 00
Ladies'.....	3 25

Sawco Domestic. Well made and of excellent quality. With notch.

	Each
8-in. blade.....	\$3 00
9-in. blade.....	3 25
10-in. blade.....	3 50
Ladies' Plain. 6-in. blade.....	2 25

Syracuse Electric Hedshear



Cuts hedges, shrubbery, and grass. Cutters self-sharpening, revolving on endless chain. Cuts on either side of cutter-bar. Weight, 6 lbs. With 10-ft. Cord, \$29.50. Extra 100-ft. Weatherproof Cord, \$5.

Sawco Hedge Trimmer



Cutter bar made from high carbon steel, 12 $\frac{1}{4}$ inches long. Has 9 stationary teeth and 4 moving blades. Length overall, 2 feet 10 inches. Weight 2 pounds. Enables operator to trim faster with less effort and fatigue. Excellent for shaping and decorative trimming. \$2.50.

Shovels



Sawco Shovels. Good reliable grade.

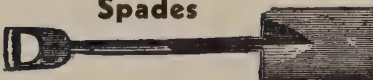
Square Point, D-Handle.....	\$2 25
Round Point, D-Handle.....	2 25
Long-Handle Shovels, same price.	

Ames Shovels are the best manufactured.

Give best service.	
Square Point, D-Handle.....	3 25
Round Point, D-Handle.....	3 25
Long-Handle Shovels, same price.	

Ladies. Light weight; long handle; round point.....	1 75
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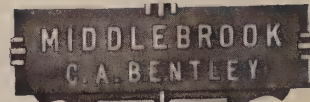
Spades



Sawco Spades are the same grade as Sawco Shovels.

D-Handle and Long Handle.....	\$2 25
Ames Spades are the same grade as the Ames Shovels.	
D-Handle and Long Handle.....	3 25

Bantam Spade. A light-weight sturdy Spade. D-Handle.....	2 25
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Sawco Signs

Made of pure aluminum alloy, non-corrosive, sandblasted, and dichromated, finished in black background with mirror-finish letters. All signs furnished with 30-inch splayed rod that can be anchored and not pulled out. Midget, 1 $\frac{1}{4}$ -inch letters. Junior and Senior, 1 $\frac{1}{2}$ -inch letters.

Midget. 2 $\frac{3}{4}$ x 16 in.....	\$6.50
Junior. 3 $\frac{1}{8}$ x 20 $\frac{1}{2}$ in.....	10.50
Senior. 5 $\frac{1}{2}$ x 18 in.....	13.50

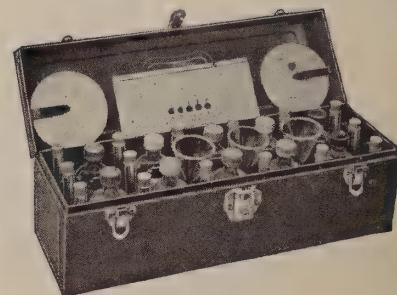
Warning Signs

Made of metal, 14 by 4 $\frac{1}{2}$ inches, painted white, with 2-inch raised black letters with spikes as shown, \$3. Can also be furnished with Single 24-in. Steel Rod on special order.



New Planting. Keep Off
Do Not Climb Fence
Do Not Trespass
No Walking through Hedge
No Walking on Lawn
Keep Off the Grass

Sudbury Soil-testing Outfits



Professional Kit

Tests for nitrogen, phosphorus, potash, and acidity. It will give the gardener complete information about the requirements of his soil.

Home Gardener's Kit. (Four complete tests).....	\$2 00
Club Kit. (Makes 10 tests).....	4 75
Horticultural Kit. (Makes 60 tests).....	9 75
Professional Kit. (Makes 200 tests).....	18 50



Sod Lifters

English Pattern. Heart-shaped, strong, and highly efficient. \$8.
American Pattern. Preferred by many on account of its light weight. \$3.

A reliable dust for controlling fungous diseases, chewing and sucking insects is the

non-poisonous **HORTEX.** 5 pounds \$2

Spades, Sprayers and Dusters

Ames Nursery Spade



Full strapped heavy-duty tool used by nurserymen for transplanting. Blade 12½ inches long. D-handle. \$5.

Ames Drain Spade



Solid shank. Ideal for transplanting. 16 inches long; 4¼ inches wide. D-handle. \$3.50.

Bronx Bottle Sprayer



Nozzle throws powerful, broad mist. Can be sprayed in any direction. Sprayer is made to fit any ordinary bottle. Sprayer only, \$1.35; with special Screw-Cap Bottle, \$1.50.

Rubber Plant Sprays

Scollay. Straight-neck. 12-oz. \$1.50.

Sawco. Straight-neck. 8-oz. 75 cts.

Sawco. Crook-neck. 8-oz. \$1.



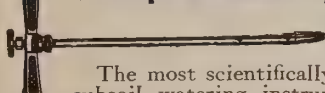
Brass Syringes

No. A. Barrel 12 in. long, diam. 1 in. One Spray Rose and one Jet. \$3.50. Weight 3 lbs.

No. H. Sheet-brass Syringe, with fixed Spray Rose. Barrel 16 in. long, diam. 1½ in. \$4. Weight 4 lbs.

No. 10. Barrel 18 in. long, diam. 1½ in. One coarse and one fine Spray Rose and one Stream Jet, with Patent Valves and Elbow Joint for sprinkling under the foliage. \$9. Weight 5 lbs.

Hampden Root Sprayer



The most scientifically constructed subsoil watering instrument on the market. Highest quality workmanship used. Just attach hose to swivel hose connection and insert into soil. Insert 8 to 10 inches diagonally for flowers and small plants; 1 to 2 feet for large shrubs and trees. One quarter turn of needle for slow watering; one full turn for instantaneous watering. Weight 2½ pounds. Measures 3 feet overall. \$3.75.

Sawco Compressed-Air Sprayer



The most perfect small hand Compressed-air Sprayer made. Delivers a continuous fog-like spray. Is fitted with straight and adjustable nozzles making a perfect under-leaf sprayer. Holds 1 qt. Sturdy construction. Wonderful performance. Brass Pump and Copper Tank. \$2 25 All Tin. (Not illustrated.) 1 00.

DUSTERS

Platz Duster

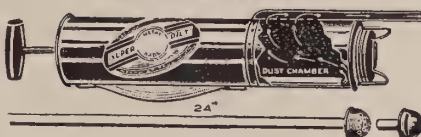


Light, compact, sturdy, efficient Duster with large, powerful Bellows and 30-inch Extension with Spreader. Capacity, 2 to 4 lbs. \$7.50.

Woodason's Bellows

Powder, small size \$3.50; large size \$5. Liquid, small size \$4.25; large size \$5. **Double-Cone Powder Bellows.** For dusting plants with dry powders. \$7.50.

Sawco Dust Gun



For dusting Hortex, Tobacco Dust, Hellobore, Paris Green, Arsenate of Lead, Powdered Sulphur.

Junior Model. (Not illustrated.)

Capacity 3 ozs. \$0 50

Senior Model. (As illustrated above.)

Capacity 12 ozs. 1 50



Sawco Paragon Duster

Duster is constructed of heavy lead-coated steel. Powerful air-blast breaks up powder into uniform fine dust.

Junior Size. Capacity 2 to 5 pounds, depending on powder used. \$10.

Senior Size. Capacity 5 to 10 pounds, depending on powder used. \$12.50.

SAWCO



Connects to your hose. Avoids pumping and mixing. Water pressure on the cartridge inserted in the nozzle makes a spray deadly to insects and fungus. Gun only, \$3.50.

Cartridges for this practical Gun are listed on page 130.



C.C.C. Spray Pump

Operates from a bucket. Sprays insecticides, white-wash, and disinfectants and also has many other uses. Nozzle adjustable to throw a shower or a straight stream 30 feet high. One of the finest Bucket Sprays made. \$6.85.

Sawco Superior Compressed-Air Sprayer



The finest Compressed-Air Sprayer built. Has a 5¼-inch opening. Easy to fill, to open, to seal, to drain, to clean. Tank riveted, beaded, and soldered. Pump equipped with patented self-lubricating pressure seal valve plunger. New type valve insures positive seal and is unaffected by chemicals. Easier to pump more air per stroke than any Sprayer manufactured. Special patented quick air-release with safety to operator. Double grip handle gives high pressure with little effort. Long-stroke, high-pressure pump positive air-valve. Brass automatic shutoff with trigger quick spray lock. Adjustable nozzle spray at any angle. 24-inch brass extension, 22-inch high-pressure molded hose. Capacity, 4 gallons. Armored Zinc-coated Tank (better than galvanized) \$6 75 Copper Tank. 9 75

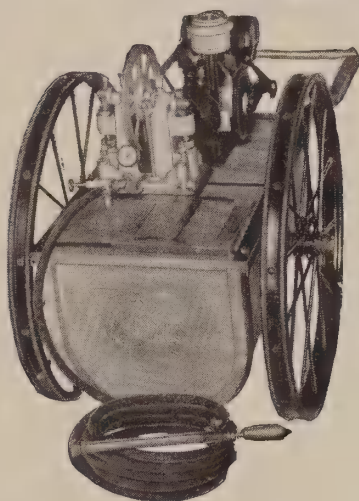
Warren-Church Compressed-Air Sprayer



Large open top, easy to fill, to open, to seal, to drain, to clean. Pump equipped with patented self-lubricating pressure seal valve plunger. New-type valve insures positive seal and is unaffected by chemicals. **Equipment:** 22-inch high-pressure hose, all-brass automatic trigger-quick shut-off, 24-inch brass extension, and aphid angle nozzle. Capacity, 2½ gallons. Tank armored zinc coat (better than galvanized). \$5.25.

SPRAYERS FOR THE FARM, ORCHARD, AND LARGE ESTATES

Sawco Portable Power Sprayer

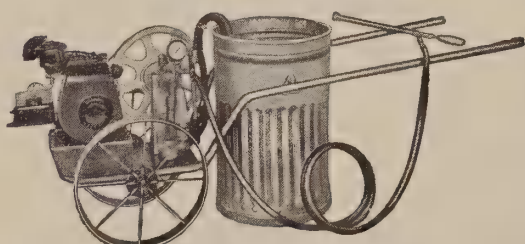


For the orchard, vineyard, truck farms, private estates, country clubs and cemeteries. A portable, high-pressure, light-weight spray outfit capable of handling all spray jobs for the individual owner. The Sprayer is powered with a high-speed gasoline engine, operating a specially designed, double-cylinder, high-pressure powerful pump. Large air-chamber in each cylinder assures a steady nozzle discharge. Ball valves are easily accessible for cleaning. High-speed agitator keeps spray solution well mixed. Engine 1 h.p. Briggs & Stratton 4-cycle, air-cooled, V-belt drive. Tank 65-gallon redwood with bottom plug for draining. Agitator gear-driven, impeller type. Wheels 40 inches in diameter, 3-inch wide tire. **Discharge equipment:** 25-foot 1/2-inch high-pressure hose, spray gun with shutoff, adjustable for fine, medium, coarse, and long-distance spray; brass Y for connecting two spray lines. Maximum pressure, 300 pounds. Capacity 3 1/2 gallons per minute. Weight 400 pounds. \$195. Mounted on 36x4 Pneumatic Tires. \$225.

Can be furnished with hickory shafts for one horse when so ordered, extra \$8.75. We can also furnish the above Sprayer mounted on skids:

No.	Tank Capacity	Power	Discharge Per Minute	Diam. Cylinder	Pressure	Width ins.	Length ins.	Weight lbs.	Price
3196	65 gals.	1 h.p.	3 gals.	1 in.	300 lbs.	25 1/2	60	360	\$180 00
3196D	100 gals.	2 h.p.	4 1/2 gals.	1 1/8 in.	350 lbs.	32	65 1/2	410	240 00
3196E	200 gals.	3 h.p.	6 1/2 gals.	1 3/8 in.	400 lbs.	41	89	590	295 00

Sawco Power Wheelbarrow Sprayer



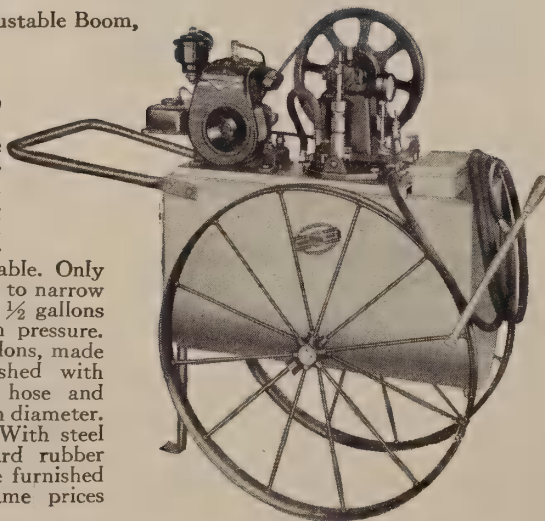
For greenhouse owners, nurserymen, estates, market gardeners, and golf clubs. Double wheel construction for stability and easy handling. Pump and engine are placed forward for proper balance. One man easily handles this unit. Discharges 1 gallon per minute at 250 pounds maximum pressure. Engine 1/2 h.p. Briggs & Stratton 4-cycle air-cooled. Tank 18-gallon capacity, heavy-gauge galvanized steel, with heavy reinforcing bands at top and bottom. Pump contains stainless steel piston, large air-chamber. Multiple jet pressure return from relief valve keeps spray solution thoroughly agitated. Equipped with 12 1/2 feet of 3/8-inch high-pressure hose and a variable orchard spray gun. Semi-cushion rubber tires 16 x 2 inches. Weight 165 pounds. \$87.50. Can also be had with 3 h.p. electric motor, \$81.50.

If wanted without rubber tires, deduct \$6.50 from the above prices.

Special Two-row Four-nozzle Adjustable Boom, for spraying row crops, \$9.

Eveready Power Sprayer

The latest design in a gasoline model Sprayer. For greenhouses, landscape gardeners, golf-courses, and small orchards. Ideal for applying insecticides, whitewash, and liquid fertilizers. The Eveready is well balanced, light in weight, and easily portable. Only 18 1/2 inches wide, permits easy access to narrow aisles and passageways. Discharge 1 1/2 gallons per minute at 250 pounds maximum pressure. Engine 1/2 h.p. Tank capacity 25 gallons, made of steel. Impeller agitator. Furnished with 12 1/2 feet of 3/8-inch high-pressure hose and orchard spray gun. Wheels 30 inches in diameter. Weight approximately 170 pounds. With steel wheels, \$95. With semi-cushion hard rubber tires, \$120. This Sprayer can also be furnished with an electric motor for the same prices as above.



SPRAYERS

Sawco Paragon Sprayer No. 3

Capacity
12 gallons

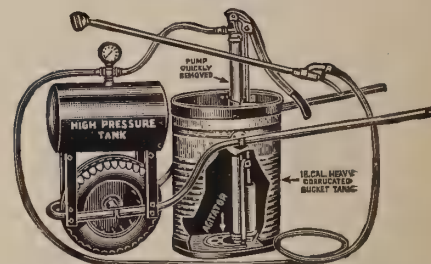


Recommended for spraying whitewash, cold-water paint, insecticides, fungicides, and all solutions in the garden or greenhouse. Will also spray trees 25 feet high.

Sprayer mounted on truck with two 12-inch wheels. Price, \$23.50; without truck, \$19.50.

Equipment: 10-ft. Special Spray Hose, 7 1/2-ft. Extension Pipe, 1 Mist Nozzle, 1 Steel Cap, 1 Straight Spray. A Single Wheel Truck, with 16-inch wheel, will be furnished with the No. 3 Sprayer, when desired. \$23.50.

Sawco Wheelbarrow Sprayer



Unexcelled for greenhouse work, whitewashing, spraying garden truck. Streamlined, oval-shaped tank. Width of bucket 12 inches. Capacity 18 gallons. All-brass working parts. Mechanical agitator. Pressure tank made of 300-pound tested steel plate, capacity 6 gallons. Brass pressure gauge. Equipped with 12-foot 1/2-inch high pressure Hose. Two-foot brass extension rod and non-clog brass automatic shutoff nozzle.

Galvanized Steel Tank with 2 steel wheels 20 inches in diameter, 2 1/2-inch tread, \$30. Solid Copper Tank with 16 x 4-inch pneumatic tire, \$55.

Bore-X Gun

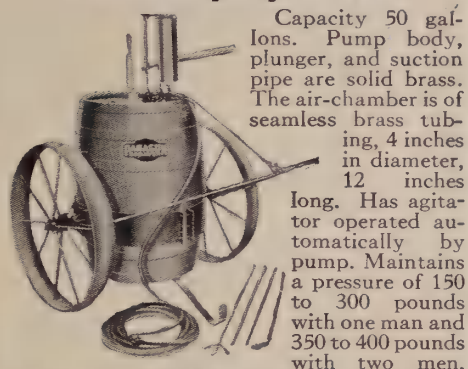
Kills borers in apple trees and reaches the majority of wood-boring insects in shade and ornamental trees. Ejects under 30 pounds pressure a powerful concentrated insecticide. Simply insert flexible tube in borer tunnel and press trigger. \$9. Liquid, \$2.50 per qt.



WAYAHEAD HOSE is reliable and long-lasting. It will stand high pressures. 25 ft. \$4.50, 50 ft. \$8

Sprayers and Sprinklers for Small and Large Areas

Sawco Spray Barrel



Capacity 50 gallons. Pump body, plunger, and suction pipe are solid brass. The air-chamber is of seamless brass tubing, 4 inches in diameter, 12 inches long. Has agitator operated automatically by pump. Maintains a pressure of 150 to 300 pounds with one man and 350 to 400 pounds with two men.

Equipped with 25-foot special spray hose, 10-foot extension pipe, 3-way nozzle, 1 single-spray nozzle.

Spray Barrel complete with Truck... \$69 50
 Spray Barrel only, without Truck... 45 00
 Truck only, with 4-inch-tread Wheels. 24 50
 Spray Pole, 8 ft. brass-lined, with shut-off. For tall tree spraying... 4 00

Sawco Knapsack Sprayer



A high-pressure Knapsack Sprayer that gives 100-pound pressure in seven strokes. Can be pumped with either left or right hand. Self-oiling ball-and-socket fulcrum developing high, continuous pressure. Easily cleaned and drained. Leakproof hinged cover. Tank 4 gallons capacity. Equipped with 3 feet of 3/8-inch hose, 24-inch extension rod, and automatic shutoff with trigger-quick spray-lock, any angle nozzle. Paddle Agitator. Galvanized \$16. Copper \$22.

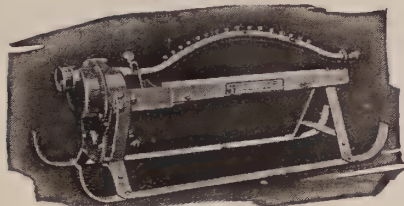
Water Wand



Releases water in a steady, yet gentle flow at base of plants. Provides maximum amount of water with minimum waste. Water is left motionless to sink deep into the soil. Connects to your garden hose. Long handle permits watering flower-beds without stepping on soil or trampling flowers. Overall

length 52 inches. All parts cadmium plated to resist rust. \$2.50.

SPRINKLERS Waterfan



Oscillates, and will irrigate a rectangle 40 by 45 feet, with a mist-like spray. The plane of the spray waves back and forth automatically. \$15.

Triple Shower Sprinkler



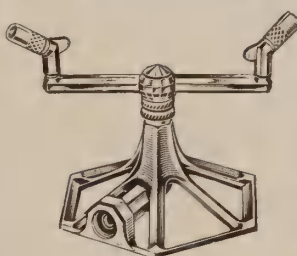
The best Sprinkler made in its price-range. Operates on 15 pounds of pressure. Covers a surprisingly large area uniformly and properly. \$2.50.

Double Rotary Sprinkler

Efficient, Long-Wearing, Reliable

Covers an area from 15 to 80 feet. Gears run in oil. Nozzle can be adjusted for fine and coarse spray. \$12.50.

Junior Model. (Not illustrated.) \$7.50.



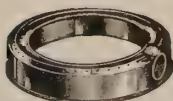
base 7 inches wide. \$3.

Sawco Portable Spray Head



Head is adjustable to 85 cts. each, \$9.25 per doz.

Ring Lawn Sprinkler



Made of heavy gauge sheet brass; 8 1/2 inches in diameter; 3/4-inch connection. Throws a well-distributed spray. \$1.25.

Tri-Con Sulphate of Ammonia Nozzle

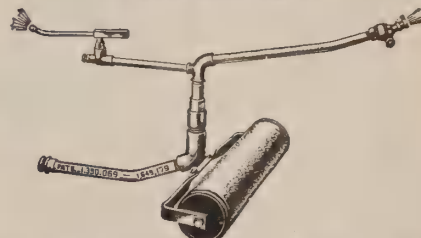


For use in applying sulphate of ammonia fertilizer. Simply fill jar three-quarters full with the dry sulphate of ammonia, attach hose and the mixture comes out in the proper proportion for your lawn. One pound of sulphate of ammonia in this nozzle will cover an area 300 to 400 square feet. \$3.75.

Tri-Con Commercial Fertilizer Nozzle.

Same as above but glass jar is on top for gravity feed. Applies 5-10-5, 8-6-4 and other popular advertised brands without danger of streaking or burning. \$3.75.

Lark Sprinkler



All gears and complicated wearing parts have been eliminated. Adjustable. Will cover 60 to 150 feet in diameter depending on water pressure. Operates on pressures from 15 to 75 lbs. Gives an even rain-like distribution. \$13.50.

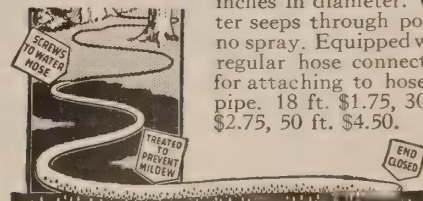
Santa Barbara Sprinkler



A low-price fine performing sprinkler. Waters evenly up to 80 ft. For economy and simple operation it is unsurpassed. \$4.

Soil-Soaker Hose

Now you may use the same successful deep-soaking method employed by big commercial irrigators. Made of porous canvas, 2 inches in diameter. Water seeps through pores; no spray. Equipped with regular hose connection for attaching to hose or pipe. 18 ft. \$1.75, 30 ft. \$2.75, 50 ft. \$4.50.



The C. B. G. Sprinkler

Cheap but good



Nothing to get out of order. Easily drawn about the lawn without shutting off the water. 50 cts. each.

When you stake your Tomatoes, fasten them with

PLANT-TWISTS,

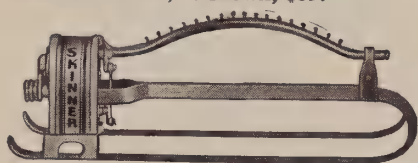
made of wire which bends easily, plant is protected by soft fibers' \$1 per 100 See next page

Sprinklers, Stakes, Vine Supports and Tampers

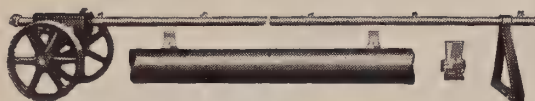
Skinner Sprinklers



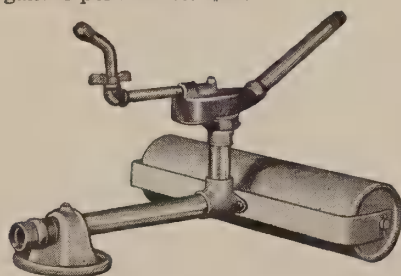
RAIN WAVE. For lawns, gardens, delicate plantings. A fan spray swings slowly back and forth watering an area of about 50 x 50 feet. Travel can be set for narrower areas. Price with roller base, as shown, \$35.



SPRAY WAVE. An oscillating fan of spray covering 50 x 40 feet, with an adjustable length of travel and variable speed. Complete on skid, 3/4-in. hose connection. \$17.50.



BORDER MIST. A pipe Sprinkler 15 feet long. Fineness of spray limits coverage to 18 feet from Sprinkler. Handle is provided for turning spray pipe so the maximum coverage without moving Sprinkler is 36 x 15 feet. Wonderful for watering terraces, borders, narrow strips. Delivers five gallons per minute. \$15.



ROTO-SPRAY SPRINKLER. A revolving, slow-motion, large-coverage Sprinkler. The spray is finely broken and evenly distributed with maximum throw.

Junior Size. Throws 3 to 8 1/2 gallons per minute, covering from 75 to 100-foot diameters uniformly, at pressures ranging from 20 pounds to 60. On roller base, 3/4-in. connection. \$13.25.

Standard Size. Throws 8 1/4 to 14 1/4 gallons per minute, covering from 95 to 115-foot diameters uniformly, at pressures ranging from 35 pounds to 70. On roller base, 3/4-in. connection. \$17.

In cooperation with the engineering staff of the manufacturer we are in a position to render valuable service to those planning irrigation systems. Put your watering problems up to us.

Plant Stakes, Cane

Japanese Bamboo, Dyed Green. For staking Gladiolus, annual flowers, etc., in the garden. Uniform pencil thickness.

	100	1000		100	1000
2-ft..	\$0 75	\$6 00	5-ft..	\$1 25	\$10 00
3-ft..	85	6 75	6-ft..	1 50	12 00
4-ft..	1 00	8 00			

Japanese Bamboo, Natural. For sweet peas, chrysanthemums, and other greenhouse plants.

	100	1000		100	1000
6-ft.....	\$2 50	\$20 00			
8-ft.....	4 50	30 00			
20-ft. 50 cts. each, \$5.50 per doz.					

Chinese Tonkin Cane. Heavy stake-canes for indoor and outdoor use. 3 to 4-ft. canes are 3/8-in. diameter; 5 to 6-ft., 3/4-in.

	100	1000		100	1000
3-ft..	\$2 50	\$20 00	5-ft..	\$6 00	\$48 00
4-ft..	3 00	24 00	6-ft..	6 50	52 00

Plant Stakes, Wood

Plant Stakes, Green—1/2 in. in diameter.

	Doz.	100		Doz.	100
2 ft..	\$0 45	\$3 25	4 ft..	\$0 85	\$4 50
3 ft..	65	3 75	5 ft..	1 25	5 00

Hyacinth Stakes, Painted green—

	100	500		1000
12-in.....	\$0 50	\$2 00		\$3 00
18-in.....	75	3 00		5 00

Square Stakes, 1 in. Sq. Green—

	Doz.	100		100
6-ft.....	\$2 75	\$14 00		
7-ft.....	3 25	16 50		

Special Dahlia Poles, Green. Solid ash;

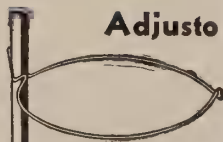
	Doz.	100		100
1/2 inch diam.; non tapering.	\$2 00	\$10 00		
5-ft.....	3 00	15 00		

Hickory Stakes, Green.

	Doz.	100		100
3 1/2-ft.....	\$0 65	\$5 00		

BEAN POLES. 35 cts. each, \$3.50 per doz.

Adjusto Plant Supports



Sturdy hardwood stakes, 7/8-inch square, with a strong wire support instantly adjustable to any height.

Holds the plant firmly together, yet admits air and sunlight.

	Each	Doz.	Each	Doz.
3-ft..	\$0 20	\$2 00	5-ft..	\$0 30
4-ft..	25	2 50	6-ft..	35
Extra, 13-in. Wire Hoops.				15

Metal Plant Supports

Galvanized Wire Stakes.

	Doz.	100		1000
3-ft.....	\$0 40	\$2 50		\$18 75
4-ft.....	50	3 30		24 75
5-ft.....	60	4 00		30 00

Tomato Supports, Wire. Made of heavy steel wire. 32 in. high, 14 in. diam. 65 cts. each, \$5 per doz., \$35 per 100.

Sawco Spiral. Made of galvanized wire enamelled green. A twist curls the spiral end about the stalk of the plant.

	Doz.	100		Doz.	100
2 ft. ...	\$0 90	\$6 00	3 ft. ...	\$1 00	\$7 00
			4 ft. ...	1 25	9 00

Carnation Supports, Etc.

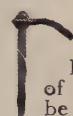
Carnation Supports, Model Extension. 2-ring, \$1.50 per doz., \$8 per 100; 3-ring, \$1.80 per doz., \$9 per 100.

Baur's Carnation Clips. Plier and 1000 Clips, \$4.50. Plier alone, \$3.50. Extra Clips, \$1 per 1000.

Carnation Bands, Rubber. Prevents splitting. 15 cts. per oz.

G. B. Vine Supports

For training roses and climbing vines on brick, stone, or wood without defacing surface. Box of 25 Supports, with Cement, \$1.35, postpaid; 100 Supports, \$5.

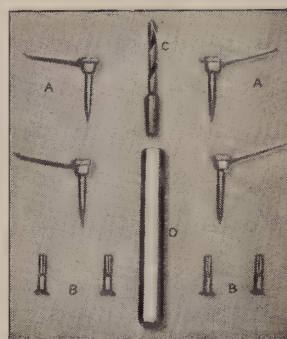


"Beat All" Wall Nail

For training vines, ramblers, etc. Made of metal with pliable lead tip which can be bent to any desired position.

	Doz.	100		Doz.	100
1-in. ...	\$0 35	\$2 25	2-in. ...	\$0 50	\$3 25
1 1/2-in. .	40	2 75			

Vyn-Tach Hooks



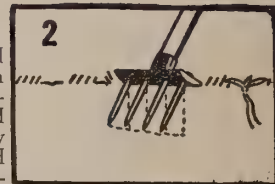
Attach your climbing roses and other vines to masonry or wooden surfaces.

Vyn-Tach Hooks for Masonry. Complete set of 25 Hooks, 25 Shells with Drill and Drill-holder, \$2.25. Complete Set of 100, \$6.50.

Without Drill and Drill-holder, \$1.75 for 25, \$5.50 per 100.

Vyn-Tach Hooks for Wood. 25 Vyn-Tach Hooks, \$1.25; 100 Hooks, \$4.50.

Sod Spiker

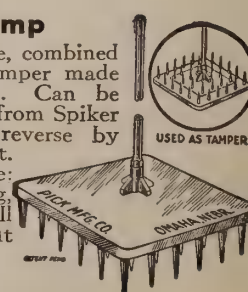


An ideal tool for the small lawn owner. For loosening hard-packed lawns to allow water, air, and fertilizer to penetrate. Helps eliminate moss and weeds. Light enough for a woman to use. 8 1/2 inches wide. Prongs 4 inches long by 3/8-inch diameter. Handle 32 inches long. \$1.75.

Spike Tamp

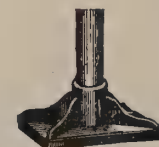
An indestructible, combined Perforator and Tamper made of malleable iron. Can be quickly converted from Spiker to Tamper and reverse by loosening one nut.

Plates 9 in. square: Spikes 1 3/4 in. long, tapering. Overall length 4 ft. Weight 13 lbs. \$4.50.



Tampers

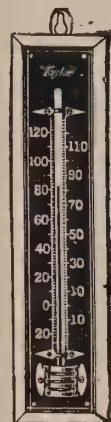
Sawco Iron Sod Tamper. Used when laying turf and for compacting the sod after frost. The Tamper is square and is furnished complete with a 4-foot handle.



Size	Weight	Price
8 x 8-in.	14 lbs.	\$2 00
10 x 10-in.	18 lbs.	2 50

Thermometers, Traps, Trowels, Twine, Vases and Weeders

Thermometers



No. 5420. Greenhouse. Black japanned heavy tin case. Oxidized brass scale, white figures. (Spirit.) 8-in., \$1.

No. 5154S. Coppered tin case; distance reading. Black oxidized brass scale, white figures. (Spirit.) Scale range, 120 degrees above to 40 degrees below zero. 8-in., 85 cts.

No. 5452, Self-Registering. (Siex's Pattern.) Lacquered brass case, white figures. **Maximum and Minimum.** 10-in., \$7, with magnet.

No. 5400. Black tin case; brass scale, white figures. (Mercury.) Range, 40 degrees below zero to 120 above. 10-in., \$2.

No. 5127. Steel, finished white enamel. Black figures make it easy to read at a distance. Temperature from 20 below to 120 degrees Fahrenheit. (Spirit.) 8-in., \$1.

No. 5314. Enamel Spirit. Black figures on white. For exterior or window use. Universal ball joint permits turning at any angle. 8-in., \$1.25.

No. 5981. Hotbed. Pointed wood. Brass oxidized scale, white figures. Best grade, mercury-filled bulb-chamber. 15-in., \$3.

Torches

Asbestos. Attach the Torch to the end of a pole, saturate with kerosene oil, light, and hold under the caterpillars' nests, passing quickly along the branches and around the trunk of the tree. Without pole, 60 cts.



Japanese Beetle Traps

Type 4. Most recent Trap developed. Especially suitable for large homes and estates. Rust-resisting, galvanized steel, enameled green and white. Complete with can of bait (no jar) \$1.50. Extra can of bait 50 cts.

Mole-Traps

The Little Giant. The simplest, safest, and surest Mole-Trap ever invented. \$1.

Acme. V-shape, trigger-tooth Mole-Trap \$2.

Nash "Choker Loop." This Trap catches the mole from either direction. \$1.50.

Molefume. Sure death to moles. See page 132.



Crescent Sparrow Trap

Very effective against English Sparrows, also for caging many other birds for banding purposes. Simply scatter some grain or hard bread-crumbs on the ground and set trap right over it. 18 x 18 inches diameter. \$6.



Tree Guards



Made of 3/4-inch channel steel, secured with three flat steel bands. Finished in baked-on green enamel. Guard forms ample protection for any tree and prevents bark being marred by animals or children.

Diam.	Height	Each
9 in.	72 in.	\$2 75
12 in.	72 in.	3 75

Shrub Protector

A wire guard with sharp points, easily fastened around shrubs to keep dogs away. Practical and economical. 25 cts. each, \$2.25 per doz.

Trowels



Stumpwall. Best Trowel made. The ferrule and shank, as well as the blade, are forged in one piece; 6 inches long. \$1.25.

Forged Steel. This Trowel is second to the Stumpwall Trowel in quality and finish. The blade and shank are one piece, forged out of the best steel. Made in three sizes: 5-in., 75 cts.; 6-in., 85 cts.; 7-in., \$1; 8-in., \$1.25.

Warren-Church. Made of one-piece heavy sheet steel with hollow bent shank for strength. Blade 6 inches. 35 cts.

Planet Jr. Bulb. Extra-long and narrow. Has three notches, 3, 4, and 5 inches. Made of high-tempered steel. 60 cts.

Slim Jim. Excellent for setting bulbs or transplanting. 5-in., 20 cts.; 7-in., 25 cts.

Ladies' Aluminum. Made of solid cast aluminum; handle finished in green; 10 1/2 inches long, 3 inches wide. 75 cts.

Barclay Tree Tub

Made of seasoned Virginia white cedar, bound with galvanized wire hoops.

No.	Inside Top diam.	Inside Depth	Each
No. 3	8 in.	8 in.	\$0 75
No. 4	9 in.	9 in.	80
No. 5	10 in.	10 in.	95
No. 6	11 in.	10 in.	1 20
No. 7	12 in.	11 in.	1 40
No. 8	13 in.	12 in.	1 80
No. 9	14 in.	13 in.	2 05
No. 10	15 in.	14 in.	2 25
No. 11	16 in.	15 in.	2 55
No. 12	17 in.	16 in.	2 95

New York Cedar Plant Tub

Made of selected Virginia white cedar, painted green; iron legs and handles black.

No.	Inside Top Diam.	Inside Depth	Each
No. 1	12 1/2 in.	12 in.	\$4 50
No. 2	14 1/2 in.	14 in.	5 75
No. 3	16 1/2 in.	16 in.	6 50
No. 4	18 3/4 in.	18 in.	8 00
No. 5	21 in.	20 in.	9 75
No. 6	24 3/4 in.	24 in.	12 50

Green Iron Flower Vases

No.	Height	Top Diam.	Each	Doz.
No. 1	10 in.	4 3/4 in.	\$0 65	\$6 50
No. 2	12 in.	6 1/2 in.	75	7 50
No. 3	13 1/2 in.	6 1/2 in.	85	8 50
No. 4	15 in.	6 1/2 in.	90	9 00
No. 5	17 in.	6 1/2 in.	1 00	10 00

Twines, Raffia, and Wire

Silkline. F, fine; FF, medium; and FFF, coarse. Spool 40 cts., box of 8 spools \$3.

Green Tying Tape. Cotton, 1/4-inch wide. Strong. Non-injurious to plants. Spool of 72 yds., 35 cts. each, \$3.85 per doz.

Bouquet Twine. White. 2 3/4-oz. ball 20 cts., lb. \$1, 5 lbs. \$4.75.

Sea Island Cotton. Green. Ball 25 cts., box of 8 balls \$1.50.

Twine, Soft Jute. For tying vines, etc., without danger of bruising. Very strong; 3-ply. **Natural.** 1/2-lb. ball 25 cts., 3 balls 60 cts., 12 balls \$2. **Dyed Green.** 1/2-lb. ball 35 cts., 3 balls \$1, 12 balls \$3.50.

Sisal Twine. 5-lb. ball \$1.75.

Binder Twine. 5-lb. ball \$1.

Tin foil. Plain, lb. 50 cts.; colored Green or Violet, lb. 75 cts.

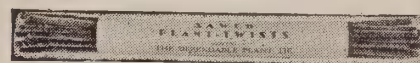
Tarred Yarn. Excellent, low-priced material for raspberries, shrubs, etc. Ball (1 lb.) 50 cts., 5 balls \$2.25.

Raffia, Natural. For tying plants. 1/2 lb. 40 lbs., lb. 65 cts., 5 lbs. \$3.

Dyed Green. 1/2 lb. 75 cts., lb. \$1.25.

Wire, Bouquet, Florists' Annealed. Nos. 22 and 24. In coils of 12 lbs., \$3.50 per coil.

Florists' Bright. Cut in lengths. In boxes of 12 lbs. (one stone), 12 in. and 18 in. long. 22 gauge, \$3.50; 24 gauge (thinner), \$4.



Plant-Twists. Dyed green. Non-injurious to plants. A simple twist of the hand and the plant will stand. 7 inches long, 15 cts. for 25; 50 cts. per 100. 12 inches long, 30 cts. for 25; \$1 per 100.

Twist-Ems. New quick plant tie. Easier than using twine or raffia. Made of paper tape with wire running through center.

4-in. (box of 250) 25 cts.; 8-in. (box of 125) 25 cts.

Celery-bleaching Tubes

The Handler is placed around the celery plant, the tube is slipped in place and the Handler removed.

Doz. 100 500
13 in. high. \$0 45 \$3 00 \$13 90
14 in. high. 50 3 50 15 00

Handlers for use in placing tubes: Brass, \$3; Tin, \$1.



Fibreware Flower Vases

Deep mahogany color. Waterproof.

No.	Depth	Diam.	Each	Doz.
No. 44	8 3/4 in.	3 1/2 in.	\$1 60	\$16 00
No. 1	10 in.	6 in.	2 10	21 00
No. 33	12 in.	4 3/4 in.	2 25	22 50
No. 22	15 in.	4 1/2 in.	3 30	33 00
No. 11	18 in.	6 in.	4 00	44 00

Weeders

Dandelion and Lawn. For dandelions and other weeds in the lawn. Bent, V-shaped blade, 3-ft. handle. 60 cts. each, \$6 per doz.



Cleveland Lawn. (As illustrated.) A pleasure to use. Fine mechanical Weeder for the lawn. \$1.75.

Sure-Grip. Has two sharp, round iron prongs. Foot-pedal grabs weeds and a pull on long handle ejects them. \$2.

Sundials

Tell the time by the sun! Made of cast bronze, highly finished, and accurate.



- No. 226. 7-in. diam. \$3.50.
- No. 258. 9-in. diam. \$6.
- No. 59. 10¼-in. diam. \$7.50.
- No. 50. Equatorial. 7-in. diam., 10¼ in. high. \$10.
- No. 953. 12-in. Square. \$16.



Gazing Globes

Permanently brilliant crystal. Will not discolor. Made to last a life-time. 10-in. \$9.50, 12-in. \$11, 14-in. \$14.50.

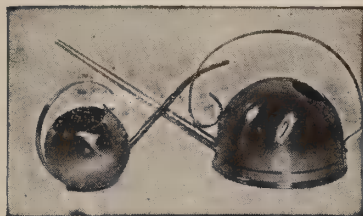
Practical Flower Pails

Made of galvanized steel. Painted sea-foam-green both inside and out. Will not rust.

- A. Tall Pail. 10 in. high, 6-in. diam.; short pail 5 x 5 in.
- B. Twin Pails. 6 in. high, 6-in. diam.
- C. Tall Pail. 12 in. high; short pail, 8 in. high, both 8-in. diam.
- D. Twin Pails. 10 in. high, 6-in. diam.

All styles, \$3.50 each

Revere Watering-Pot



Polished copper; brass handle. Pint, 12¾ ins. overall, \$1.50. Half-gallon, 17 ins. overall, \$2.25.



Foot Scraper

This little Dachshund Foot Scraper adds a friendly touch to your door. He weighs 30 pounds and is 22 inches overall. Solid cast-iron; body velvet black, tongue red. \$6.50.

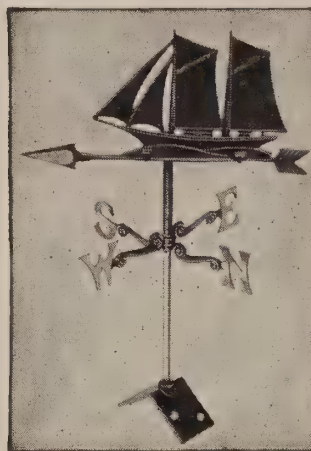


Crane

An ideal garden ornament. Made of cast-iron, finished in red, white, and black. Height 12½ inches; length, 7½ inches. \$2.

Novelties for the Gardener

Sawco Weather Vanes



Made of non-corrosive cast bronze with cast aluminum figures. Finished in shadow black, bright brass upright, polished bronze letters. All vanes are perfectly balanced and ball bearing. Roof plate, cast bronze can be bent to any angle. Overall measurements 16 inches by 24 inches. An ideal gift.

- No. 124—Sloop (as illustrated).
 - No. 154—Peter Stuyvesant.
 - No. 43—Horse and Carriage.
- State which when ordering. Price \$6 each. Can also furnish lower price models with plain arrow figure and points of direction as follows (not illustrated):
- No. 0—12 in. wide, 12 in. high, black. . . \$2 50
 - No. 1—18 in. wide, 18 in. high, red. . . 5 00
 - No. 2—24 in. wide, 24 in. high, red. . . 7 00

Arrow Driveway Marker



Made of masonite, painted black, dotted with 14 lenses. Height, including stake, 18 inches; length of arrow, 16 inches. \$1.50.

Bird Driveway Marker

Made of cast-iron, painted red, with reflecto lens in body and eye to mark both sides of driveway. Height, 19 inches, including stake. \$1.25.



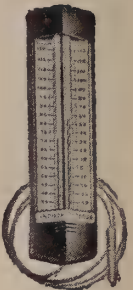
Longpicka



Cut and gather low or distant blooms without stooping, stretching, or treading on borders. A gentle squeeze cuts the flower and holds it. Blades are stainless steel. Overall length 22 inches. \$10.

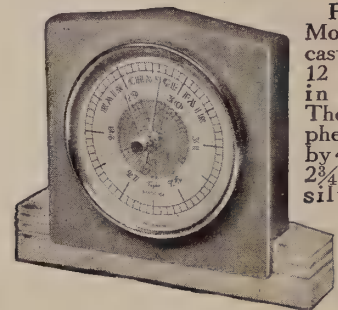
Indoor and Outdoor Thermometer

Novel twin-scale Thermometer that accurately indicates both inside and outside temperatures although it is located indoors. No peering through frosted, clouded windows. Both temperatures are read at a glance. Outside temperature is determined by hanging small metal bulb on a thin tube outside of window. Finished in a beautiful black bakelite case, chrome trim. 9½ in. high, 2¼ in. wide. Packed in an attractive gift box. \$6.



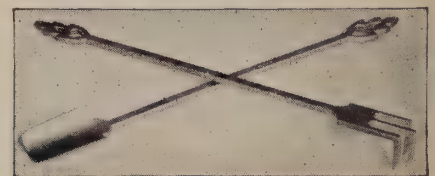
Baroguide

No. 2287



Fleetwood Model. Forecasts weather 12 to 24 hours in advance. The blue cast-phenol case is 5 by 4 inches. The 2¼-inch dial is silver metal with bronze center. A beautiful presentation. \$5.

Mina-Culture Tools

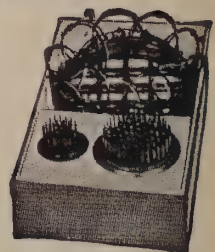


Decorative indoor gardening set for cultivating in flower-pots and window-boxes. Satin-bronze finish. Tools are 9 inches long. Set, \$1.75.

Flower Holders

Assortment No. 150

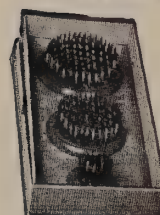
Contains one adjustable flower holder 4 in. in diam.; one Cactus size 0C, 1½ in. diam.; one Cactus size 2C, 2¼ in. diam. An ideal and practical gift. \$1.50.



Cactus Flower Holders

Assortment No. 100

Contains three Cactus-type holders: No. 0C, 1½ in. diam.; No. 2C, 2¼ in. diam.; No. 3C, 2¾ in. diam. This is an ideal gift for the flower lover. \$1.

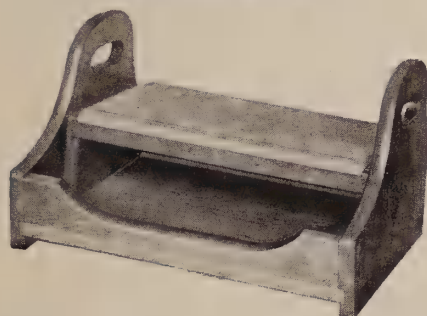


Sawco Tool Basket

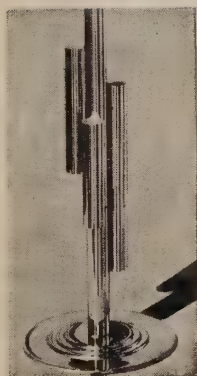


A beautiful gift for the home gardener. Basket finished in green or red enamel with black handle. Combination consists of Fork, Weeder, Aluminum Garden Trowel, Cultivator, Bulb Trowel, Pair of Gloves, Rubber Kneeling-Mat, box of Copper-wired Labels, Pencil, Flower-gathering Shears and 100-ft. Garden Line with Malleable Iron Reel. \$9.

Knelevator



Make your garden work a pleasure. Scientifically constructed of selected cypress for strength and light weight. Natural wood finish; green sponge-rubber kneeling platform that opens, and together with front trough, provides ample space for small tools. Eliminates strain and embarrassing contortions. Easily carried from place to place. \$3.



Chase Four-Tube Bud Holder

A useful, decorative Holder, beautifully finished in all-polished attractive chromium. For a bureau or dressing-table it is just right for two or three roses or other flowers. Height, 8 1/4 inches; diameter of base, 3 1/2 inches. \$1.

MAGIC Electric PENCIL



Ideal for burning in your name on all garden tools. Simply plug into electric socket and tool is ready to write. \$1.50.

Novelties for the Gardener

Sawco Window Greenhouse

Enjoy the beauty and real satisfaction of year-round flowers at your own window.



Completely knocked down, packed in a carton with full instructions for setting up. After installed, overall width 4 feet 3 inches, overall height 6 feet 11 inches. Galvanized pan at bottom 4 inches deep. Extends front to back 18 inches. All glass installation from inside. Shelves adjustable to any convenient height. \$39.50. (Write for a free pamphlet.)

Revere Flower Pot



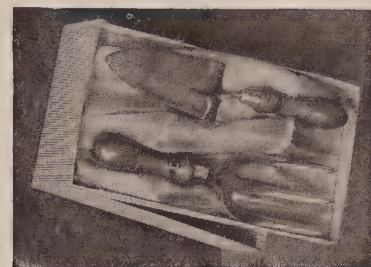
These ultra-smart Flower Pots in beautiful chrome or golden yellow brass are a decorative cover for house plants. For 5-inch or 6-inch pots. 5-in., \$1.25; 6-in., \$1.50. Specify finish and size.

Revere Venetian Wallpiece

Interesting in design, decorative and useful. Ideal for ivy and other drooping foliage plants. Brackets and bowls made of beautiful chrome or copper. A lasting gift. Chrome or Copper \$3.



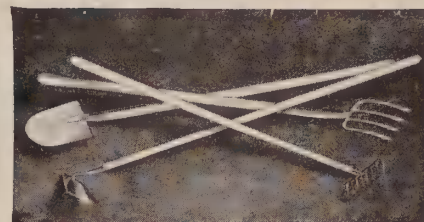
Sawco Stainless Trowel and Fork



Well made. Stainless

Will last a lifetime. \$3.50 complete. Individual tools \$2 each.

Woman's Garden Tool Set



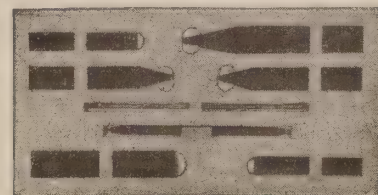
A beautiful 4-piece stainless steel Garden Tool Set. Consists of Shovel, Hoe, Rake and Fork. A very useful assortment of tools for the woman or junior gardener. Will not rust or stain. The set \$15. Individual tools \$5 each. Can also be furnished in high-grade carbon steel at \$3.75 per set.

Kremeskin Gloves



Cream-treated lamb-skin. Protect hands from dirt, scuffing, bruises. Massages, softens and whitens the skin. Washable. Ideal for gardening, motoring and household tasks. Small (for sizes 5 1/2-6 1/2), medium (6 1/2-7 1/2), large (7 1/2-8 1/2). \$1 per pair.

Simplex Garden Label Kit



Special assortment of Simplex Green Weatherproof Garden Labels: 30 Labels, two styles, tie-on and rockery, four sizes, including copper wires for attaching and steel stylus for marking. Packed in neat display container wrapped in cellophane. \$1.

Remedies for Insects and Fungus

FOR APHIS, THRIPS, MEALY BUGS, RED SPIDERS, SUCKING AND CHEWING INSECTS

Agripax. Pyrethrum soap-spray for sucking insects. 4 tablespoons to 1 qt. of water, 1 pint to 10 gals. Qt. \$1, gal. \$3.50, 5 gals. \$15.

Arsenate of Lead. (Powder.) For chewing insects. 2 level teaspoons to 1 qt. water, 2 lbs. to 50 gals. ½ lb. 25 cts., lb. 40 cts., 4 lbs. \$1.35, 24 lbs. \$5.50, 100 lbs. \$16.50.

Black Arrow Insect Dust. For chewing and sucking insects. Lb. 80 cts., 5 lbs. \$2.70.

Black-Leaf 40. Nicotine sulphate; for sucking insects. 1 teaspoon to 1 gal. water, 1 oz. to 6 gals. Oz. 35 cts., 5 ozs. \$1, lb. \$2.25, 2 lbs. \$3.25, 5 lbs. \$5.85, 10 lbs. \$10.60.

Borerkill. Jelly; kills borers. Tube, with needles for introducing into stems, 60 cts.

Cartridges for Sawco Hose Sprayer Gun

Arsenate of Lead	Dormant Oil Spray
Bordeaux	Japanese Beetle Spray
Sulphur	Plant-Food Spray
25 cts. each, \$3 per doz.	
Pyrethrum	Rotenone
Copper-Nicotine-Arsenate Spray	Calomel (Mercury)
Nicotine	
30 cts. each, \$3.50 per doz.	

Chinchex. For chinch-bugs and their larvae in lawns. Will not burn. 3 lbs. per 100 sq. ft. 5 lbs. \$1.50, 25 lbs. \$6.25, 100 lbs. \$20.

Cyclonox. Liquid. For red spider. 2 teaspoons to 1 gal. water, 11 ozs. to 50 gals. Qt. \$4.70, gal. \$16.85.

Dual-Fix. Nicotine dust for dahlia- and corn-borers. Apply when eggs hatch. Repeat four times, five days apart. Lb. 50 cts., 5 lbs. \$2.

Dutox. For leaf-eating insects. 2 level teaspoons to 1 gal. water, 3 lbs. to 100 gals. Lb. 40 cts., 6 lbs. \$2, 50 lbs. \$14.

Fish-Oil Soap. For mild forms of scale and soft-bodied insects where something stronger cannot be used. Good plant-wash. 1 teaspoon to 1 qt. of water, 1 lb. to 10 gals. Lb. 30c., 5 lbs. \$1.25, 25 lbs. \$4, 100 lbs. \$13.

Gladiolus Thrip Spray. (Powder.) Effective during growing season. Use 1 teaspoon to 1 qt. water, 1 lb. to 10 gals. Lb. 75 cts., 5 lbs. \$3.

Hellebore. (Powder.) Kills currant worms. ½ lb. 30 cts., lb. 50 cts., 5 lbs. \$2.

Hortex. A 1 per cent rotenone dust for sucking and chewing insects, combined with colloidal sulphur to act as a fungicide and lengthen the period of effectiveness. Non-poisonous. Lb. 50 cts., 5 lbs. \$2, 25 lbs. \$8, 100 lbs. \$27.50.

Imp Soap Spray. For sucking insects. Pleasant to use. One gallon makes 25 gals. of spray. Gal. \$3, 5 gals. \$12.

Sawco Japanese Beetle Dust and Spray. Contains 3½ per cent rotenone, with spreading agent. For chewing and sucking insects, particularly for Japanese beetle. 1 teaspoon to 1 qt. water, 1 lb. to 25 gals.; or use as a dust. Lb. 75 cts., 5 lbs. \$3.

Kilmdead Spray. Insecticide and plant-wash for roses, chrysanthemums, and evergreens; also tender plants under glass. Tones up foliage and improves the appearance. 1 tablespoon to 1 qt. water, 1 gal. to 20 gals. ½ pt. 40 cts., qt. \$1, gal. \$3, 5 gals. \$10, 30 gals. \$55, 50 gals. \$85.

Lemon Oil. For mealy bug, thrip and red spider. 3 tablespoons to 1 qt. water, ½ pt. to 2 gals. Qt. \$1, gal. \$3.

Loro. For red spider, chrysanthemum mite, and mealy bug. Effective. Use ¼ teaspoon to 1 gal. water. Pt. \$2, gal. \$10.50.

Magnesium Arsenate. For the Mexican bean beetle. 6 teaspoons to 1 gal. water, 2 lbs. to 100 gals. 2 lbs. 80 cts., 4 lbs. \$1.50, 8 lbs. \$2.75.

Naphthalene Flakes. For gladiolus thrips. Intermix at the rate of 1 ounce to 100 corms in a bag or box when storing. Also dust bulbs at planting time. Lb. 25 cts., 5 lbs. \$1, 25 lbs. \$4.25, 100 lbs. \$15.

Paris Green. Poisonous. For chewing insects. Ingredient used in bran bait. ¼ lb. 20 cts., ½ lb. 40 cts., lb. 65 cts., 5 lbs. \$3.

Pomo-Green. With nicotine, for sucking and chewing insects. Can be used as a dust or in water. Not noticed on foliage. To spray, 10 level teaspoons to 1 qt. water or ¼ lb. to 1 gal. Lb. 75 cts., 5 lbs. \$3, 25 lbs. \$12.50. Without nicotine, chewing insects only, lb. 50 cts., 5 lbs. \$1.75, 25 lbs. \$8.

Rotene Insect Spray. Non-poisonous, rotenone-pyrethrum spray with penetrant. Harmless to fruits, vegetables, and flowers, humans and animals. For chewing and sucking insects. Carries its own spreader; no soap needed. 1 teaspoon to 1 gal. water, 1 oz. to 8 gals., ½ pt. to 64 gals. Oz. 35 cts., 4-oz. bottle \$1, pt. \$2, qt. \$3.50, gal. \$11.50.

Red Arrow Garden Spray. Pyrethrum-rotene for sucking and chewing insects. Non-poisonous. 1 teaspoon to 1 gal. water, 1 oz. to 8 gals., ½ pt. to 64 gals. Oz. 35 cts., 4 ozs. \$1, pt. \$2.85, qt. \$5, gal. \$14.

Selocide. Controls red spider, green fly, and leaf roller. 1 tablespoon to 1½ gals. water. ½ pt. to 25 gals. Gal. \$3.50.

Slugshot. (Dust.) Controls currant and cabbage worms, rose slugs. Lb. 25 cts., 5 lbs. \$1, 25 lbs. \$3, 125 lbs. \$12.50.

Sofyne Liquid Soap. Use with Black-Leaf 40, and others that require spreaders. Increases effectiveness. 5 ozs. 20 cts., qt. 50 cts., gal. \$1.50, 5 gals. \$6.50, 10 gals. \$10.

Sulpho-Tobacco Soap. For sucking insects. Ideal plant-wash. 3 ozs. in 1½ gals. water. Good dog-cleanser, using warm. 3-oz. pkg. 20 cts., 8 ozs. 40 cts., lb. 65 cts.

Thrip Juice. Effective against gladiolus thrip, and many sucking insects. 1 tablespoon to 1 qt. water, 1 pt. to 5 gals., 1 gal. to 40 gals. Qt. \$1.25, gal. \$4.80.

Thripco. Controls gladiolus thrip and eggs. Use as a dust when storing bulbs at 1 oz. to 75 corms, 1 lb. to 1000 corms. Treated bulbs are to be stored in open paper bags or slightly ventilated wood boxes. Lb. 35 cts., 5 lbs. \$1.50, 10 lbs. \$2.75, 25 lbs. \$6, 50 lbs. \$10, 100 lbs. \$18.

Tobacco Dust. Kilmdead. Finest ground tobacco for dusting. Clings to the foliage, giving maximum kill against sucking and soft-bodied insects. Controls chinch-bug; use 1 lb. per 100 sq. ft. Lb. 25 cts., 5 lbs. 75 cts., 25 lbs. \$2, 100 lbs. \$6.

Tree Tanglefoot. A paste which traps crawling insects, gipsy moth, canker-worm, etc. Effective three to four months. One pound covers 18 feet 2 inches wide. For orchards, vineyards, and shade trees. 6-oz. can 35 cts., lb. 70 cts., 5 lbs. \$3.30, 10 lbs. \$6.25, 25 lbs. \$13.

Balsam wool for wrapping around trees before applying Tree Tanglefoot in 16-ft. rolls, 3 in. wide, 3 cts. per ft. Less than 15 cts. per ft.

Volck. For mealy bug, white fly, red spider, and many other insects. State whether for inside or outside use. 3 level teaspoons to 1 qt. water, 1 cup to 5 gals. Qt. 75 cts., gal. \$2, 5 gals. \$8, 28 gals. \$25.

Wilson's O.K. Plant Spray. Nicotine-soap spray for sucking insects. 4 tablespoons to 1 qt. water, 1 pt. to 2 gals., 1 gal. to 15 gals. Gal. \$3, 5 gals. \$12, 25 gals. \$50, 50 gals. \$90.

X-L-All. Liquid Insecticide. Imported. For mealy bug, scale, thrip, red spider. Safe on tender plants. Leaves foliage bright and clean. 1 tablespoon to 1 qt. water, 1 pt. to 5 gals., 1 gal. to 40 gals. Qt. \$4.50, gal. \$13.50.

DORMANT SPRAYS FOR THE CONTROL OF SCALE INSECTS

Fish-Oil Soap. For mild form of scale on indoor and outdoor plants. Use one heaping teaspoonful to 1 quart of hot water. Allow to cool and apply. Lb. 30 cts., 5 lbs. \$1.25, 25 lbs. \$4, 100 lbs. \$13.

Lime-Sulphur (Liquid). For San Jose scale and apple scab. Use 4 tablespoonfuls to 1 quart of water, 1 gallon to 9 gallons of water when plants are dormant. Qt. 50 cts., gal. \$1.25, 5 gals. \$3.50, 30-gal. bbl. \$10, 50-gal. bbl. \$14.

Volck, Nursery. A miscible oil spray for control of most scale on dormant trees and shrubs. Very effective against red spider and white fly on evergreens. Qt. 75 cts., gal. \$2, 5 gals. \$8, 28 gals. \$25.

Lime-Sulphur, Dry. For San Jose scale, peach-leaf curl, and blister mite. Use 3 level tablespoonfuls to 1 quart of water or 12 pounds to 50 gallons of water. For summer spraying against apple and pear scab, use slightly less than half of the above quantities. Lb. 40 cts., 5 lbs. \$1.50, 10 lbs. \$2.50, 25 lbs. \$5, 100 lbs. \$17.50.

Scalecide. A mineral-oil dormant spray. Emulsifies quickly in water. Use on fruit trees, shrubs, and many other plants in the dormant stage. Apply at the rate of 2 tablespoonfuls to 1 quart of water, 1 gallon to 15 gallons of water. Qt. 65 cts., gal. \$1.55, 5 gals. \$5.50, 10 gals. \$9.50, 15 gals. \$13.25, 30 gals. \$21, 50 gals. \$29.

Scalex. A very effective dormant oil spray. Can be used with safety on most fruits, shrubs, and evergreens for scale. Dilute at the rate of 3 tablespoonfuls to 1 quart of water, one gallon to 20 gallons. Can also be used as a summer spray on apples, pears, and shrubs at half the dilution recommended above. Do not use as a summer spray on stone fruits. Qt. 50 cts., gal. \$1.50, 5 gals. \$5.50, 10 gals. \$9.50, 30 gals. \$18, 50 gals. \$27.50.

Sunoco Oil Spray. A self-emulsifying spray oil for dormant trees and shrubs. Very effective against San Jose scale, Euonymus scale, and red spider. A safe spray which really does the work it is intended to do. Use at the rate of 2 tablespoonfuls to 1 quart of water, 1 gallon to 15 gallons. Gal. \$1.50, 5 gals. \$6.25.

Approximate fluid measure: 4 teaspoons = 1 tablespoon 2 tablespoons = 1 ounce
MEASURING SPOONS from ¼ teaspoon to 1 tablespoon, 10 cts. per set.

Remedies for Insects and Fungus

NOTE: On orders for Insecticides and Fungicides over \$2 in value with exception of 30- and 50-gal. drums and items not listed in our Catalogue, we prepay to points within 50 miles of New York City. If value of order is \$2 or less, or if shipment is made beyond 50 miles of New York City, customer pays transportation charges on arrival. We send by express items not mailable.

FOR BLACK-SPOT, BLIGHT, BROWN-PATCH, FUNGUS, MILDEW, AND RUST

Ansul Colloidal Sulphur. A fungicide for control of mildew and rust. Sulphur in paste form quickly soluble in water. Use at the rate of 1½-inch ribbon to a gallon of water; entire tube makes 20 gallons of spray. ½-lb. tube \$1.

Bordo-Mixture. (Dry Powder.) A general fungicide for most all fungous diseases. Use 5 tablespoonfuls to 1 gallon of water, 8 pounds to 50 gallons. ½lb. 25 cts., lb. 40 cts., 4 lbs. \$1.35, 24 lbs. \$5.50, 100 lbs. \$16.50.

Copper Solution, Ammoniated. For control of mildew and black-spot on roses. Does not disfigure foliage of plants. Use 1½ teaspoonfuls to 1 pint of water, 3 tablespoonfuls to 1 gallon. For greenhouse use, and on tender plants, one-half the strength. ½pt. 50 cts., qt. \$1.50, gal. \$4.60.

Copper Sulphate, Crystal. The principal ingredient used in Bordo. For mildew and blight. Use 4 ounces to 3½ gallons of water plus 4 ounces of Hydrated Lime or 4 pounds to 50 gallons, plus 4 pounds of Hydrated Lime. Agitate while spraying. Lb. 25 cts., 5 lbs. \$1, 10 lbs. \$1.75, 25 lbs. \$3.50, 100 lbs. \$12.

Fungtrogen. (Liquid.) For mildew and black-spot on roses; rust on phlox, chrysanthemums, hollyhocks and delphiniums. Also supplies a plant stimulant that assists in getting luxuriant foliage and amazing blooms. Use 1 tablespoonful to 1 quart of water, 1 pint to 8 gallons. ½pt. 75 cts., qt. \$2, gal. \$6.

Grasselli Wettable Sulphur. For black-spot and mildew. Can be used as a dust or spray. Use 4 teaspoonfuls to 1 gallon of water, 8 pounds to 100 gallons. Lb. 25 cts., 6 lbs. \$1.

Nu-Green. A mercury and fertilizer combination for brown-patch on lawns and also acts as a stimulant. Apply with a sprinkling-can or compressed-air sprayer. Use ½ teaspoonful to 10 gallons of water over 300 square feet or 6 ounces to 50 gallons over 1000 square feet. 3 ozs. 35 cts., lb. \$1.45, 5 lbs. \$6.25, 25 lbs. \$28.75, 100 lbs. \$110.

Pomo-Green. Without nicotine: for black-spot, mildew, and rust. A green dust that can be used as is or diluted in water. Hardly noticeable on foliage. For wet spray, use 10 level teaspoonfuls to 1 quart of water, ¼lb. to 1 gallon. Lb. 50 cts., 5 lbs. \$1.75, 25 lbs. \$8.

Semesan. A mercurial disinfectant. Very effective against brown-patch on lawns. Apply with a sprinkling-can or compressed-air sprayer. Use ¼ teaspoonful to 10 gallons of water over 300 square feet, 4 ounces to 50 gallons over 1000 square feet. 2 ozs. 35 cts., lb. \$2.25, 5 lbs. \$10, 25 lbs. \$46, 100 lbs. \$175.

Sulphur. 100 per cent pure sublimed. For mildew and rust on most plants. Use as a dust only. Lb. 25 cts., 5 lbs. \$1, 10 lbs. \$1.75, 25 lbs. \$3.50, 100 lbs. \$12.

Tri-Ogen. A triple-acting spray controlling black-spot, rust, mildew, blight, sucking and chewing insects on roses, phlox, snapdragons, hollyhocks, and carnations.



A. Small Kit (makes 16 quarts) . . . \$1 50
Protects 12 to 20 roses for season.

B. Medium Kit (makes 64 quarts) . . . 4 00
Protects 50 to 80 roses for season.

C. Large Kit (makes 32 gallons) . . . 6 00
Protects 100 to 160 roses for season.

D. Estate Kit (makes 128 gallons) . . . 20 00
Protects 400 to 600 roses for season.

Kits are sufficient for season

FOR CUTWORMS, EARTHWORMS, GRUBS, AND OTHER GROUND PESTS

Bait-M. A poisoned bait in powder form for cutworms, sowbugs, snails, and grasshoppers. Simply dust around plants and along the rows. 1½ lbs. 35 cts., 4 lbs. 85 cts., 15 lbs. \$3, 50 lbs. \$8.

Ethyl-Mulsion. The new, safe, and economical control for peach-tree borer. Use in the fall or spring. May be used on trees of all ages from one year old up without injury. Easy to use; simply add water and pour around the base of tree.

Trees	Dosage	Per Tree
1-yr.-old	1 to 9 parts.	¼ pt.
2-yr.-old	2 to 8 parts.	¼ pt.
3-yr.-old	2 to 8 parts.	½ pt.
4-to 5-yr.	3 to 7 parts.	½ pt.
6 yrs. or older.	3 to 7 parts.	½ pt.

Infections on the branches and crotches are controlled by painting the affected parts with same strength solution used on the base of the trees. \$1 per qt., \$3 per gal.

Arsenate of Lead. (Powder.) For the control of Japanese beetle grub. Apply in the early spring. One pound, mixed with a bucket of sand or soil, will grub-proof 100 square feet; 10 pounds, mixed with a wheelbarrow load of sand or soil will treat 1000 square feet. One application is sufficient for two or three years. ½lb. 25 cts., lb. 40 cts., 4 lbs. \$1.35, 24 lbs. \$5.50, 100 lbs. \$16.50.

Go-West. A bait. Specific eradicator for strawberry root weevil, cutworms, slugs, snails, sowbugs, earwigs, and grasshoppers. 10 lbs. \$2.50, 50 lbs. \$10.

Para-Dichlorobenzene. Highly recommended for peach borer attacking trees four years and older. A ring of crystals is placed on the soil around the trunk and covered by mounding the earth against the tree. One ounce is sufficient for each tree. Lb. 60 cts., 5 lbs. \$2.50, 10 lbs. \$4.

Senoled. A compound of lead arsenate and plant-food for grub-proofing lawns and gardens. Destroys Japanese beetles, cutworms, and earthworms. Contains colloidal phosphate, which holds lead arsenate in soil and delays its loss through leaching. On lawns, broadcast at the rate of 3 pounds to 125 square feet, 25 pounds to 1000 square feet; double these quantities for the garden. 5 lbs. \$1.50, 25 lbs. \$3, 100 lbs. \$8, 500 lbs. \$35, ton \$125.

Vermol. For earthworms in lawns, turf courts, and putting-greens. A non-poisonous powder. Harmless to animals and pets. Will not injure the grass. Has value as a grass-food. Amazingly effective. Apply at the rate of ½ pound per square yard and flood turf immediately. Best results are obtained on warm, damp days. 5 lbs. \$1, 25 lbs. \$3, 100 lbs. \$7.50, 500 lbs. \$35, 1000 lbs. \$57.50, ton \$110.

GREENHOUSE FUMIGANTS AND INSECTICIDES

Cyanogas C Fumigant. Generates deadly hydrocyanic acid gas. Controls aphids, thrips, white fly. Scatter on greenhouse walks and close the house for the night. 5 lbs. \$3, 25 lbs. \$10, 100 lbs. \$25.

Fume Tobac. Tobacco powder (2 per cent nicotine) for burning in greenhouses. Economical where heavy fumigation not required. 25 lbs. \$4.25, 100 lbs. \$14.

Nico-Fume Liquid. Free nicotine. For killing most soft-bodied insects. Lb. \$2.25, 4 lbs. \$5.75, 8 lbs. \$10, 40-lb. drum \$40.

Nico-Fume Paper. Gives off nicotine. Ten sheets fumigate 100 x 20 feet. Box of 24 sheets \$1.25, box of 144 sheets \$4.50.

Nico-Fume Powder. 1-lb. can will fumigate 25,000 cu. ft. ½lb. 45 cts., lb. 75 cts., 5 lbs. \$3.35, 10 lbs. \$5.85.

Rotene Insect Spray. Ideal for greenhouse use; see description on page 130. 1 teaspoon to 1 gal. water, 1 oz. to 6 gals. Oz. 35 cts., 4-oz. bottle \$1, pt. \$2, qt. \$3.50, gal. \$11.50.

Tobacco Stems. For fumigating and placing under benches. High nicotine content. Bale (about 100 lbs.) \$4.50, 5 bales \$20, 20 bales \$50.

WEED-KILLERS

Noxweed. Contains 5 pounds of sodium arsenate to the gallon. Apply by watering-can or sprayer. Harmless to stone, wood-work or shoes. One thorough application will destroy all vegetation. 1 qt. diluted treats 200 sq. ft. and 1 gal., 800 sq. ft. Qt. 65 cts., gal. \$1.75, 5 gals. \$6, 10 gals. \$11.50, 30 gals. \$25, 55 gals. \$40.

Meo-181. Eradicates dandelions, crab grass, plantain, and other weeds in turf. See page 133.

Climax Lawn Sand. A combination of chemicals. Destroys weeds in lawns. Use 5 ozs. per square yard. 3½ lbs. 85 cts., 7 lbs. \$1.65, 14 lbs. \$2.75, 28 lbs. \$4.50, 56 lbs. \$8.

Atlacide. Powder; non-poisonous. Destroys all vegetation. Late summer and fall applications give best results. Use as a dust or in water. 1 to 1½ lbs. per 100 sq. ft. (in 1 gal. water if preferred). 5 lbs. \$1.50, 15 lbs. \$3.50, 50 lbs. \$7, 100 lbs. \$13.50.

PURFECK CHICKWEED ELIMINATOR. Kills chick- and other mat-weeds; does not injure grass. Dilute and spray the turf, avoiding hot weather; early spring or late fall are best. One qt. in eight parts water covers 450 sq. ft.; 1 gal., 1800 sq. ft. For light infestations quantity will cover twice the area. Every garden can rid itself of this pest at reasonable cost with Perfect. Qt. 75 cts., gal. \$2, 5 gals. \$9, 10 gals. \$17, 50 gals. \$60.

INSECTICIDES AND SUNDRIES

NOTE: On orders for Insecticides and Fungicides over \$2 in value with exception of 30 and 50-gal. drums and items not listed in our Catalogue, we prepay to points within 50 miles of New York City. If value of order is \$2 or less, or if shipment is made beyond 50 miles of New York City, customer pays transportation charges on arrival. We send by express items not mailable.

FOR ANTS, MOLES, RATS, MICE, AND OTHER RODENTS



MOLEFUME

Molefume. A non-poisonous cartridge that liberates a deadly smoke. Very effective against moles, rats, gophers, woodchucks, hornets and wasps. Non-injurious to vegetation. Harmless to humans and pets. Simply ignite cartridge and place horizontally in runway. Use one cartridge every 15 to 25 feet. Box of 6 cartridges 90 cts., 5 boxes \$4.25, 10 boxes \$8. (Individual cartridges 20 cts. each.)

Ant Bait (Magikil Jelly). Press tube and allow $\frac{1}{4}$ inch of the jelly to rest on side of ant-hill. Also can be applied generally every 4 feet around the house, garden, or lawn. 1-oz. tube 35 cts., 3-oz. tube 85 cts., 8-oz. tube \$1.75.

Ant Powder. Very effective for ridding lawns and shrubbery of ants. Simply dust lightly around the infested areas. 3 ozs. 35 cts., lb. \$1.25.

Ant Traps. Destroys all species of ants. A metal container with safety feature. Can be used indoors as well as outdoors. 25 cts. each, \$2.75 per doz.

Carbon Disulphide. Poisonous and explosive. For ants in lawn and walks. Apply to ant-hills with funnel and skewer, using a tablespoon to each ant-hill. 1-lb. can 75 cts., 5 lbs. \$3.

Cyanogas A Dust. Gas kills ants, rats, moles, and woodchucks instantly. Use outdoors only. The Sawco Sr. Dust Gun shown on page 131, fitted with rubber hose, is specially recommended for applying this material. $\frac{1}{2}$ lb. 45 cts., lb. 75 cts., 5 lbs. \$3, 25 lbs. \$10, 100 lbs. \$25. Dust Gun \$3. Foot pump for large users, \$7.50.

Cyanogas Ant Killer. A powder that flows freely. Use outdoors only. Simply insert spout of can and pour into ant-hill. Cover hole. 4-oz. can 30 cts., \$3.25 per doz.

Molo. A mole remedy in tablet form. Place a tablet in runway every 6 feet. Poison—handle with gloves. Box of 12 tablets 35 cts., \$3.50 per doz. boxes.

Mologen. Non-poisonous to birds and pets. Punch holes in runway every 6 feet and insert one spoonful of Mologen in each hole, and cover. In powder form; will not injure grass or soil. $\frac{1}{2}$ lb. 50 cts., $1\frac{1}{2}$ lbs. \$1.25, 5 lbs. \$4.

Mouse Cereal. Little seeds impregnated with a deadly poison. A quick, tidy way to get rid of mice. $2\frac{1}{2}$ -oz. pkg. 35 cts., \$3.50 per doz.

Naphthalene Flakes. After setting bulbs, sprinkle lightly with flakes and cover with soil. Protects bulbs against ravages of moles and field-mice. Lb. 25 cts., 5 lbs. \$1, 25 lbs. \$4.25, 100 lbs. \$15.

Rat Paste. A red squill non-poisonous rat-killer. Very effective where poisons cannot be used. Contains Vitamin B and C attractive to rats. Use on bread and chopped meat. Leaves no odor behind when they die. 6-oz. glass jar 85 cts.

Rat Wheat. Poison wheat grains blended and treated with flavor. Can be used as is or mixed with chopped meat or fish. 14-oz. package \$1.

SEED- AND SOIL-DISINFECTANTS

FORMACIDE. A dust treatment for the pasteurization of the soil and disinfection of the seed against damping-off. Formaldehyde gas escapes from the dust when it is mixed with soil and permeates the soil completely. Use $1\frac{1}{2}$ ounces per square foot in seed-flats, 2 to 3 ounces per square foot in greenhouse benches where soil is 4 to 6 inches deep. Do not sow seed or plants for 3 to 5 days after application. $\frac{1}{2}$ -lb. can 45 cts., lb. 75 cts., 5 lbs. \$2, 25 lbs. \$5.50, 50 lbs. \$9.

Formaldehyde, Liquid. Principally used for fungus and rot on oats, barley, rye, wheat, millet, sorghums, cucumber, and lettuce. Also very effective against scab and black scurf on seed potatoes. Use 2 tablespoonfuls to 1 gallon of water, 1 pint to 15 gallons. 1-pt. bottle 60 cts.

Terogen. Winter soil-treatment for roses weakened by black-spot. An autumn-winter soil-dressing. One pound treats 10 square feet. Lb. 75 cts., 5 lbs. \$2.75, 25 lbs. \$11.

Semesan. A general mercurial disinfectant for vegetable and flower seeds or bulbs, and certain plant diseases such as root-rot and damping-off. Applied either as a liquid or dust. Use a pinch to a packet of seed, $\frac{1}{2}$ teaspoonful to 1 pound of seed. 2 ozs. 35 cts., lb. \$2.25, 5 lbs. \$10, 25 lbs. \$46, 100 lbs. \$175.

Semesan Jr. A new dust disinfectant for seed corn. Generally increases stands and yields. Harmless to seed and is quick and easy to apply. Use 4 level tablespoonfuls to 1 bushel, 1 pound to 8 bushels. 4 ozs. 30 cts., lb. 75 cts., 5 lbs. \$3, 25 lbs. \$12.50, 100 lbs. \$45.

Semesan Bel. For the control of scab and rhizoctonia carried on white seed potatoes and to prevent stem rot and scurf of sweet potatoes. Helps also to reduce seed-piece decay. It is a quick, easy dip that eliminates long-soaking treatments. Use 1 level tablespoonful to $2\frac{1}{2}$ bushels, 1 pound to 60 bushels. Also very effective on gladiolus corn rot. Soak gladiolus bulbs in solution of 2 level teaspoonfuls to a gallon of water for 7 hours. 4 ozs. 50 cts., lb. \$1.50, 5 lbs. \$6.50, 25 lbs. \$30, 100 lbs. \$115.

New Improved Ceresan. For control of bunt or stinking smut of wheat, oats, and black loose smut and stripe of barley and sorghums. One ounce treats 2 bushels of seed, 1 pound, 32 bushels. 4 ozs. 30 cts., lb. 75 cts., 5 lbs. \$3.25, 25 lbs. \$14.

SUNDRIES

Crow Repellent. Seed-preserver for corn. Small can, enough for 1 bu., 60 cts.; large can, enough for 2 bus., \$1.



Chaperone. (Liquid.) For outdoor use. Spray on hedges, garbage cans or other places from which you want to keep dogs away. Rains will not reduce its efficacy. Use as is from the bottle in a small sprayer. 4 ozs. 50 cts., 12 ozs. \$1.

Celcure. A wood preservative, free from odor and gives off no fumes. Resists action of salt water, termites and other boring insects. 1 gal. covers 350 square feet. Qt. 60 cts., gal. \$1.45.

Dust Respirator. Light and comfortable. Quickly adjustable. \$3.

Fumeogen. Spread lightly on the soil around plants to protect them from dogs. Non-poisonous when used as directed. Convenient powder form in handy shaker can. 50 cts.

Graftex. A new grafting compound. Can withstand extreme summer heat or severe winter cold. $\frac{1}{2}$ -lb. can 50 cts., 5 lbs. \$4.25.

Grafting Wax. Used for grafting, budding, top-working, etc., of all trees. $\frac{1}{4}$ lb. 20 cts., $\frac{1}{2}$ lb. 35 cts., lb. 65 cts.

Grafting-Wax Melter. $\frac{1}{2}$ -gal. size \$6.25, gal. size \$7.25.

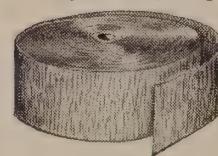
Grafting Tape (Johnson's). For grafting, budding, and tree surgery. 36 yds. to roll. $\frac{1}{4}$ in. wide, 50 cts. per roll; $\frac{1}{2}$ in. wide, 65 cts. per roll.

Kayso. A casein lime spreader. 2-lb. pkg. 60 cts., 10 lbs. \$2.50, 100 lbs. \$20.

Styptic. To prevent bleeding of vines after pruning. Bottle \$2.

Tree Cavity Fill. A powder—merely add water to bring it to a plastic consistency. More adhesive and flexible than cement and mortar. Lb. 75 cts., 5 lbs. \$2.50, 10 lbs. \$4.50, 25 lbs. \$10, 100 lbs. \$37.50, 150 lbs. \$45.

Tree Wound Paint. Prevents decay. Penetrating, antiseptic Paint not affected by heat, cold, or moisture. Does not peel or crack. Stops bleeding. For cavities use it in conjunction with Tree Cavity Fill. Pt. 35 cts., qt. 65 cts., gal. \$1.75, 5 gals. \$7, 10 gals. \$13, 30 gals. \$37.50, 50 gals. \$42.



Sawco Tree Wrap. A waterproof crinkled paper 4 in. wide, 155 ft. to the roll. Protects the trunks of newly planted fruit and shade trees against frosts, sun scald, borer attack and rodents. Adjusts itself to the contour of tree trunks and expands to accommodate growth. Roll 75 cts., 10 rolls \$6.50, 20 rolls \$11.

THE CHEMIST AIDS THE GARDENER

NOTE.—Many of the chemicals listed on this page are poisons of the most dangerous character. Extreme care must be exercised in handling them; keep them locked away from children and irresponsible adults; maintain labels intact upon containers; have antidotes available.

Chemical Control of Turf Weeds

MEO 181

**ONE SPRAYING
KILLS WEEDS**

**DOES NOT
KILL GRASS**

\$1.55

GALLON



A new organic mercury compound that selects certain weed plants in a lawn, especially crab-grass, dandelions, and plantains, and kills them without injuring the turf; on the contrary, it promotes luxuriant grass. One gallon treats 200 sq. ft. of lawn when applied without dilution with a fine atomized mist spray. Keep away from flowers or shrubs. Gal. \$1.55, 5 gals. \$7.25.

CALCIUM ARSENATE. Destroys mat-forming weeds. Use as a dust. Lb. 40 cts., 4 lbs. \$1.35, 24 lbs. \$5.50, 100 lbs. \$16.50.

CHICKWEED ELIMINATOR, PURFECK. For a description of this, see page 139. Qt. 75 cts., gal. \$2, 5 gals. \$9, 10 gals. \$17, 50 gals. \$60.

CLIMAX LAWN SAND. Kills weeds which have fibrous roots. May be scattered at the rate of 6 ounces per 10 square feet, or, for individual weeds, a spoonful placed on the crown of each will destroy it. The surrounding grass quickly closes over. 3½-lb. can 85 cts., 7 lbs. \$1.65, 14 lbs. \$2.75, 28 lbs. \$4.50, 56 lbs. \$8.

IRON SULPHATE. Controls dandelions, plantains, and other weeds in acreage turf. Dissolve 275 pounds in 150 gallons of water and spray one acre. Repeat every two weeks till the weeds disappear. 5 lbs. \$1.25, 25 lbs. \$4, 100 lbs. \$12.

LEAD ARSENATE. Used as a dust, this poison has also been found to be highly effective in eliminating chickweed and mouse-ear. Allow 10 pounds to 30 pounds per 1000 square feet, 350 pounds to 1000 pounds per acre. 4 lbs. \$1.35, 24 lbs. \$5.50, 100 lbs. \$16.50.

SENOLED. A mixture of mineral colloids and Lead Arsenate. Less danger to birds and domestic animals. Discourages crab-grass in turf and reduces *Poa annua*. Use 25 pounds per 1000 square feet, or one-half ton per acre. 5 lbs. \$1.50, 25 lbs. \$3, 100 lbs. \$8, 500 lbs. \$35, ton \$125.

SODIUM ARSENITE. Most effective on plantains, dandelions and chickweed, knotweed, speedwell and self-heal. Applications of from 2 to 8 ounces to 1000 square feet have been effective without injury to the grass—the higher amount only during cool weather. May be dissolved in water, 1 ounce to 2 gallons or mixed 1 ounce to 25 pounds of sand and applied dry. 15-lb. tin \$3.75, 50-lb. drum \$10.50, 100-lb. drum \$20.

SODIUM CHLORATE. For crab-grass. From ½ pound to 2 pounds per 1000 square feet are given in May, June, and August, mixed with two pailfuls of dry soil or sand. Highly dangerous, because the chemical is explosive and inflammable and is likely to ignite one's clothing. 100 lbs. (minimum quantity available) \$17.50.

SULPHURIC ACID. A wooden skewer, alternately moistened with the acid in an earthenware jar and speared into a weed will kill dandelions, plantains, docks, thistles, etc. A dangerously poisonous liquid which will burn flesh and clothing. Bottle, containing 9 fluid pounds, \$5.75.

Calcium Chloride

For binding roadways

Absorbs moisture from the air; keeps surface damp during dry weather; reduces sun-glare; avoids surface cracks. Used on paths, driveways, tennis courts, playing-fields. Keeps down weeds. Use one pound per 10 square feet; repeat at half rate when surface becomes dry. 100 lbs. \$3, 400-lb. drum \$10.

Destroying Weeds in Driveways

NOXWEED. Poisonous but highly effective. Dissolve and sprinkle. For weeds in tennis-courts, etc. Apply with a watering-can, sprayer or sprinkler barrel. One gallon dilutes to 41 gallons and treats 1000 square feet. Qt. 65 cts., gal. \$1.75, 5 gals. \$6, 10 gals. \$11.50, 30 gals. \$25, 55 gals. \$40.

ATLACIDE. Non-poisonous. Can be used as a dust or liquid. Kills poison ivy and other vegetation in driveways, etc. 5 lbs. \$1.50, 15 lbs. \$3.50, 50 lbs. \$7, 100 lbs. \$13.50.

SALT, AGRICULTURAL. Effective as a weed-killer on roadways, etc. 100 lbs. \$2.75, 500 lbs. \$12, ton \$32.50.

Algae in Swimming Pools

COPPER SULPHATE. Use 1 pound for each one million gallons' capacity, and make a suitable allowance if the water is flowing. Pack in canvas bags and drag along the bottom until dissolved, or float bags at the intake. 5 lbs. 85 cts., 10 lbs. \$1.50, 25 lbs. \$3.50, 100 lbs. \$12.

It Doubles the Chromosomes

COLCHICINE. Influences cell-development, affecting heredity, resulting in gigantism and other malformations in plants, mutations, etc. Experimentally, weak solutions are sprayed on plants, seeds soaked in them, or they may be added to culture solutions. Has wonderful possibilities for hybridists, and experimenters are advised to acquaint themselves with microscopic botany and genetics, and to exercise extreme care with this chemical, which is highly poisonous and which may have effects on the human body. Use gloves and do not inhale when using it as a spray. 5 grains \$1, 15 grains \$2.25, ½ oz. \$5, oz. \$32.



HORMODIN "B" POWDER. In three strengths to simplify the rooting of cuttings. Easy to use; simply dip the cuttings first in water and then dip the moistened stem into the Hormodin Powder. Tap gently to remove the excess powder.

No. 1 (for most house and greenhouse plants such as carnations, chrysanthemums, roses, poinsettia, etc.). 1¼-oz. jar 50 cts., lb. \$3.

No. 2 (for shrub cuttings). 1¼-oz. jar 75 cts., lb. \$4.50.

No. 3 (for cuttings of evergreens and hardwood trees, and also bulbs). 1-oz. jar \$1, ½ lb. \$4.50.

Combination package of Hormodin Powders No. 1, No. 2, and No. 3, 1 oz. complete in an envelope, 75 cts.



Floralife

Cut-flowers last long and stay fresh with Floralife. With the addition of 10 ounces of sugar, each package makes 10 quarts of solution. Pkg. 35 cts., 10 pkts. \$3.50.

Many chemicals on these pages are poisonous; keep them locked away from children and irresponsible adults; maintain labels intact upon containers; have antidotes available.



VITAMENE. Vitamin B-1. A sensation in horticulture. Results in more rapid growth, huskier and faster-growing seedlings, healthier and larger plants and blooms. Germinates seeds much earlier. Cures ill and scrawny plants. Eliminates root-shock in transplanting—simply dip roots in diluted solution and replant. For indoor plants use once weekly; for outdoor plants twice monthly.

Vitamene comes in grooved tablet form for easy separation and use. Make a stock solution of ½ tablet to a half glass of water, put it in a bottle and store away. When you are ready to use same on your plants, take one teaspoonful of the Vitamene stock solution, dilute with five glasses of water, and water as usual. Bottle of 50 tablets \$1, 150 tablets \$2.50, 350 tablets \$5.

Kem A Complete Balanced Liquid Plant-Food for House Plants



Without KEM — and with KEM

These two geraniums are exactly the same age, grown under exactly the same conditions. Results shown in the photo are in no way exceptional. Similar results are being obtained by Kem users everywhere.

A complete plant-food. Consists of eleven major and minor chemicals essential to balanced growth. Quick and easy to use; merely dilute with tap water. Being a liquid it is immediately absorbed by the plant. Use 1 tablespoonful to 2 quarts water, 8 tablespoonfuls to 3 gallons water. One gallon makes 90 gallons of balanced plant-food solution. Feed to your potted plants; also use for cut-flowers and note the startling results. Qt. 60 cts., gal. \$1.25, 5 gals. \$4.50.

Plantet

For Soilless Culture

A complete mixture of chemical salts; contains all elements for the growth of plants by the sand- or water-culture methods. For full-grown plants use at the rate of one teaspoonful to one gallon of water; for seedlings, one teaspoonful to three gallons of water. Bottle, sufficient to make 30 gals. solution, 75 cts.

SOILLESS GROWTH OF PLANTS. Nutrient solutions and methods of using them, by C. Ellis and M. W. Swaney. Just published. 150 pages, illustrated with diagrams and photographs (some in color), \$2.75.

FERTILIZERS, MANURES, SOIL INGREDIENTS

Note. Fertilizers in lots of 25 lbs. or more are delivered free within 50 miles of New York City by truck, mail, express, or freight, at our option. In lesser quantities customer pays transportation.

SAWCO

Emerald Grass Fertilizer

Several applications of Emerald Grass Fertilizer ensure a beautiful lawn and a most wonderful putting-green. When building a lawn, from 1 ton to 1½ tons per acre (minimum, 50 pounds per 1000 square feet) should be harrowed or raked into the upper surface. Every spring and early autumn existing lawns may be given a dressing of 500 to 1000 pounds per acre (25 pounds per 1000 square feet); when applied as a top-dressing to turf, it is best to mix the Emerald Grass Fertilizer with four times its bulk of fine soil or sand before broadcasting. 5 lbs. 50 cts., 10 lbs. 90 cts., 25 lbs. \$1.75, 50 lbs. \$3.25, 100 lbs. \$5, 500 lbs. \$22.50, 1000 lbs. \$40, ton \$75.

SAWCO

Rose Food

A trowelful of Sawco Rose Food thoroughly mixed with the soil. For established plantings, a liberal dusting in the early spring and late fall is recommended. Work into the soil with rake or hoe. 5 lbs. 75 cts., 10 lbs. \$1.25, 25 lbs. \$2, 50 lbs. \$3.75, 100 lbs. \$6, 500 lbs. \$27.50, 1000 lbs. \$45, ton \$80.

SAWCO

Chrysanthemum Food

load of soil. For potting plants. Follow with occasional light top-dressings. 5 lbs. 75 cts., 10 lbs. \$1.25, 25 lbs. \$2, 50 lbs. \$3.75, 100 lbs. \$6.

SAWCO

SAWCONITE

Ingredients are partly organic and partly mineral.

Use at the rate of from 1000 to 2000 pounds per acre when preparing new land. Take care that it is mixed with the soil no deeper than 3 inches. To improve existing turf use one-half this quantity, broadcast evenly through a Fertilizer Sower. 100 lbs. \$4, 500 lbs. \$17.50, 1000 lbs. \$25, ton \$45.

SAWCO

NIKOFOOD
A Tobacco Fertilizer

1000 square feet may be applied several times a year to produce a healthy deep green turf. Insects dislike tobacco, the chief ingredient, and the use of Nikofood is advised as a partial protection against chinch-bug. 50 lbs. \$3, 100 lbs. \$5, 500 lbs. \$22, ton \$65.

For lawns and golf putting-greens. A well-balanced organic chemical formula of the purest ingredients, designed to feed grasses and to keep them in a healthy condition.

A plant-food of specially compounded ingredients beneficial and desirable for the proper growth of roses and the eradication and control of root-pests. For new plantings, use one trowelful of Sawco Rose Food thoroughly mixed with the soil.

(An old English formula.) All organic; not immediately soluble. A plant-food for Chrysanthemums, Pelargoniums, Cinerarias, other greenhouse plants. Mix 5 pounds to a wheelbarrow

An economical fertilizer for large areas of turf. It is designed to feed the desirable grasses and it contains all the food elements required by them. In it there is no make-weight material; its ingredients are partly organic and partly mineral.

Contains every plant-food element required for growth in a slowly available form, especially potash. Recommended for all garden use, especially as a top-dressing for lawns. 50 lbs. per

SAWCO

General Garden Fertilizer

yard when preparing land for planting in the spring. Good practice, too, is to spread General Garden Fertilizer between the rows of plants when they are growing and then to hoe it into the soil; use about 3 pounds per 100 running feet for this, repeating every month. When planting beans, cucumbers, etc., in hills, a handful worked into the soil under the hill will be a great help, and the same thing may be done when planting tomatoes, cabbages, peppers, peonies, etc. Before sowing seeds in rows a little General Garden Fertilizer may be placed in the drill and the soil stirred to mix it thoroughly. 5 lbs. 50 cts., 10 lbs. 90 cts., 25 lbs. \$1.75, 50 lbs. \$3.25, 100 lbs. \$5, 500 lbs. \$22.50, 1000 lbs. \$40, ton \$75.

SAWCO

Dahlia Food

thoroughly before setting tubers and later top-dress with liberal applications worked into the soil, especially as soon as buds are beginning to form. 5 lbs. 75 cts., 10 lbs. \$1.25, 25 lbs. \$2, 50 lbs. \$3.75, 100 lbs. \$6, 500 lbs. \$27.50, 1000 lbs. \$45, ton \$80.

SAWCO

SAWCONURE

25 pounds or more per 1000 square feet, one-half ton or more per acre, for existing grass, and from 50 pounds to 100 pounds per 1000 square feet when preparing land for seed. For gardens, vegetables, and flowers, use 100 pounds per 1000 square feet. 50 lbs. \$3, 100 lbs. \$5, 500 lbs. \$20, 1000 lbs. \$35, ton \$60.

SAWCO

Acidulous Fertilizer

very carefully, and will produce healthy and vigorous plants. Apply at the rate of ¼ pound per square yard, and rake well into the soil. For best results, apply at least three times during the season. 5 lbs. 75 cts., 10 lbs. \$1.25, 25 lbs. \$2, 50 lbs. \$3.75, 100 lbs. \$6, 500 lbs. \$27.50, 1000 lbs. \$45, ton \$80.

SAWCO

SAWCO SOIL
A Fortified Topsoil

Ideal for filling window-boxes, flower pots, greenhouse benches and for city gardens. 5 lbs. 30c., 25 lbs. \$1, 100 lbs. \$3, 500 lbs. \$10, ton \$25. In bulk, three tons (minimum quantity), \$14.50 per ton; 4 to 9 tons, \$13 per ton; over 10 tons, \$11.75 per ton.

For vegetables, flowers, and fruit. Recommended strongly as the best for all-round work in the garden. Use it at the rate of 1000 pounds to the acre or 3 ounces to the square

A fertilizer specially prepared for Dahlias. Rich in potash and also contains sufficient nitrogen and phosphoric acid properly blended to give only best results. Mix a handful with the soil

An organic fertilizer containing peat-moss, cow-manure, and poultry manure, air-dried. Feeds plants and builds soil. Free from weed seed. For gardens, lawns, and golf putting-greens. Use

A plant-food and soil-acidifier for rhododendrons, azaleas, mountain laurel, blueberries, cranberries, and many other acid-loving plants. Acidulous Fertilizer has been compounded

To fine screened soil, we add mushroom manure, humus and sand. The resulting mixture is excellent for top-dressing putting-greens and lawns, allowing 500 lbs. or more per 1000 square feet.

THE TREEWIZ CARTRIDGE

A slowly available, high-analysis tree-food in cartridge form for restoring weakened trees and shrubs to their natural healthy state—economically, conveniently, and safely. No danger of root-burning or overfeeding. Cartridges last an entire season in the soil.

Carton (4 large tree-food cartridges) for shade and fruit trees, \$1; \$20 per 100 cartridges. Carton (8 small tree-food cartridges) for evergreens and shrubs, \$1; \$9.50 per 100 cartridges.

Also in bulk. 5 lbs. \$1, 10 lbs. \$1.50, 25 lbs. \$3, 50 lbs. \$5, 100 lbs. \$8, 500 lbs. \$35, ton \$110.

Orders for one ton or more of assorted fertilizers at the ton rate, provided 500 pounds of a brand are ordered.

For quantities in excess of one ton, write for our special prices

GENERAL LIST OF FERTILIZERS

Note. Fertilizers in lots of 25 lbs. or more are delivered free within 50 miles of New York City by truck, mail, express, or freight, at our option. In lesser quantities customer pays transportation.

Adco. Add it to garden rubbish, leaves and grass clippings to hasten decay and quickly produce manure. 7½-lb. pkg. \$1, 25 lbs. \$2.25, 150 lbs. \$10.50.

Aluminum Sulphate. Makes soil acid. Used in the culture of rhododendrons and similar plants. Follow with Sawco Acidulous Fertilizer. 5 lbs. 75 cts., 10 lbs. \$1.25, 25 lbs. \$2, 50 lbs. \$3.75, 100 lbs. \$6, 500 lbs. \$27.50.

Ashes, Canada Hardwood. These furnish potash. May be broadcast between rows of vegetables, 10 pounds per 100 feet. 5 lbs. 50 cts., 25 lbs. \$1.75, 100-lb. bag \$4.50, bbl. (about 200 lbs.) \$7, ton \$50.

Blood, Dried. Adds nitrogen and phosphoric acid. Much used for greenhouse plants. Acts quickly. 5 lbs. 85 cts., 10 lbs. \$1.35, 25 lbs. \$2.50, 50 lbs. \$4.50, 100 lbs. \$8, 500 lbs. \$35, ton \$110.

Bone, Vineyard. Large particles of bone, ¼ to ½ inch, make an ideal fertilizer for grape-vines and fruit trees. 25 lbs. \$2, 50 lbs. \$3.75, 100 lbs. \$6, 500 lbs. \$27.50, ton \$80.

Bonemeal. Mixed fine and coarse. (For general use.) Recommended for the garden and for lawns. The standard food for roses; much used on hay and pasture fields. Use 1500 pounds per acre or 5 ounces to the square yard, dug or raked into the soil; use one-half this rate when top-dressing grass. 5 lbs. 50 cts., 10 lbs. 90 cts., 25 lbs. \$1.75, 50 lbs. \$3, 100 lbs. \$4.75, 500 lbs. \$20, 1000 lbs. \$32.50, ton \$60.

Cattle Manure, Shredded. A soil-builder and ideal mulch that is especially recommended for crops in hot, sandy soils. Also ideal for mulching perennial beds. 100 lbs. \$5, 500 lbs. \$22, 1000 lbs. \$35, ton \$65.

Charcoal. Sweetens and lightens sour and heavy soils; helps to dry out wet land. Frequently used for lawns on soils in this condition. 50 lbs. \$3, 100 lbs. \$5, 500 lbs. \$22, 1000 lbs. \$35, ton \$65.

Clay's Fertilizer. Imported. Has a splendid reputation for flowers, vegetables, and fruit. 7 lbs. \$2, 14 lbs. \$3, 28 lbs. \$4.50, 56 lbs. \$8, 112 lbs. \$13.50.

Cottonseed Meal. Rich in nitrogen and potash; suitable for grain crops, but most largely used on lawns. Use ¼ to 1½ tons per acre. 5 lbs. 50 cts., 25 lbs. \$1.75, 100 lbs. \$5, 500 lbs. \$22.50, 1000 lbs. \$40, ton \$75.

Fertera. A highly concentrated plant-food for house plants in tablet form. Contains 13 per cent Nitrogen, 17 per cent Phosphoric Acid, 22 per cent Potash. 100-tablet size 50 cts., 1000-tablet size \$3.

Floranid (Urea). 46 per cent nitrogen. Lb. 35 cts., 5 lbs. \$1.10, 10 lbs. \$1.80, 25 lbs. \$3.25, 100 lbs. \$9, 500 lbs. \$40.

Horn Dust. Rich in ammonia. For greenhouse benches and potting. 100 lbs. \$7.

Legume-Aid. Nitrogen-fixing bacteria in powder form for all leguminous plants. Specify size of unit and name of seed.

Alfalfa, all Clovers. ½-bus. size 30 cts., 1-bus. size 50 cts., 2½-bus. size \$1. **Vetch, Austrian Winter Peas, Field and Garden Peas, Soy Beans, Cow Peas, Lespedeza, Beans, Peanuts, Lima Beans.** 1-bus. size 30 cts., 2-bus. size 50 cts., 5-bus. size \$1.

Garden Group. For Sweet Peas, Lupins, Garden Peas, and Beans. Treats up to 15 lbs. seed, 25 cts.

Lawn Sand, Climax. A concentrated fertilizer used for killing certain weeds in lawns, especially chickweed and mouse-ear. 3½-lb. can 85 cts., 7-lb. can \$1.65, 14-lb. can \$2.75, 28-lb. pkg. \$4.50, 56-lb. keg \$8.

Lime, Agricultural Hydrated. Corrects acid conditions of the soil, and at the same time is a plant-food. Binds loose soils and, curiously enough, opens heavy land. Quick acting. As this Lime is especially prepared for horticultural purposes, it costs more than ordinary Lime. As a winter dressing broadcast 1 ton to the acre or 6 ounces per square yard. 5 lbs. 30 cts., 10 lbs. 50 cts., 25 lbs. \$1, 50 lbs. \$1.75, 100 lbs. \$3, 500 lbs. \$10, ton \$27.50.

Limestone, Pulverized. 80-lb. bag \$2.50, 5 bags \$9.50, 20 bags \$22.50.

Muriate of Potash. Excellent for potatoes, corn, grains, etc. Use from 350 to 750 pounds per acre. 5 lbs. 75 cts., 10 lbs. \$1.25, 25 lbs. \$2.25, 50 lbs. \$4.25, 100 lbs. \$7.

Nitrate of Soda. A plant stimulant. Adds nitrogen in a form which is immediately available to the plants. Forces a heavy, succulent growth in lettuce and similar leaf vegetables. Use 1½ ounces per square yard, or 500 pounds to the acre. As a liquid fertilizer, one ounce in one gallon of water. Lb. can 20 cts., 5 lbs. 50 cts., 10 lbs. 90 cts., 25 lbs. \$1.75, 50 lbs. \$3, 100 lbs. \$5, 500 lbs. \$22, ton \$65.

Pulverized Poultry Manure. An excellent fertilizer, rich in plant-food, for all garden crops. Dig in 3 to 16 ounces per square yard, or ½ to 2½ tons to the acre. 100 lbs. \$5, 500 lbs. \$20, ton \$60.

Salt, Agricultural. Occasionally used as a top-dressing for asparagus. Also effective as a weed-killer on roadways, paths, etc. 100 lbs. \$3.25, 500 lbs. \$11, ton \$32.50.

Scotch Soot. A valuable plant-food. On grass, or dusted around vegetables or on the plants themselves, it discourages caterpillars, slugs, grubs, wireworms, cutworms and earthworms. 5 lbs. \$1, 10 lbs. \$1.75, 25 lbs. \$3, 50 lbs. \$4.50, 112-lb. bag \$7, 5 bags \$30, ton \$85.

Sheep Manure. A pure, natural, nutritious manure, immediate and lasting in effect. In flower or vegetable bed, use liberally and incorporate well with the soil. It is also very valuable as a liquid manure and can be used at all times with safety. Contains no weed seeds. 5 lbs. 50 cts., 10 lbs. 90 cts., 25 lbs. \$1.75, 50 lbs. \$3, 100 lbs. \$4.75, 500 lbs. \$20, 1000 lbs. \$32.50, ton \$60.

Stim-U-Plant. Fertilizer in tablet form. 30 tablets 30 cts., 100 tablets 75 cts., 500 tablets \$2.50, 1000 tablets \$3.50.

Sulphate of Ammonia. For lawns, use 1 oz. per square yard, mixed with several times its bulk of soil. 5 lbs. 50 cts., 10 lbs. 90 cts., 25 lbs. \$1.75, 50 lbs. \$3.25, 100 lbs. \$5, 500 lbs. \$22.50, 1000 lbs. \$40, ton \$75.

Sulphate of Potash. 5 lbs. 75 cts., 10 lbs. \$1.25, 25 lbs. \$2.25, 100 lbs. \$7.

Super-Phosphate. Adds phosphoric acid and lime. 5 lbs. 30 cts., 25 lbs. \$1, 100 lbs. \$3, 500 lbs. \$10, ton \$27.50.

Tan Bark, Spent. Used for bridle-paths, garden paths and around rock-gardens. 100 lbs. \$5, 500 lbs. \$22, ton \$65.

Tankage (Blood and Bone). 7 per cent nitrogen. 100 lbs. \$6, 500 lbs. \$27.50, ton \$80.

Tobacco Stems. Feeds, protects, retains moisture, deters insects. Use 1 to 1½ pounds to the square yard. Bale (about 100 lbs.) \$4.50, 5 bales \$18.50, 20 bales \$50.

Vitormone. A plant-food in powder form. Made from waste animal and vegetable material, especially processed with Vitamin B-1 added. Can be used indoors or outdoors. A little goes a long way. Also contains many other elements valuable to plant-life. 3-oz. package 35 cts.; 1-lb. can \$1; 10-lb. bag \$7.50; 25-lb. bag \$15.

Humus, Peat Moss, Etc.

Mulch-o-Nure. Mixture of tobacco, peat, and plant-foods. Spread 1 inch thick around roses, grapes, shrubs, lilies, etc. Keeps roots cool, retains moisture, deters insects. 100 lbs. \$5, 500 lbs. \$22, ton \$65.

Humus. Soil ingredient, improving its texture, increasing its water-holding properties. For renovating old lawns, 100 pounds to 100 square feet. Double this quantity for making new lawns. 10 lbs. 50 cts., 50 lbs. \$1.50, 100 lbs. \$2.50, 500 lbs. \$10.50, ton \$30.

Leaf-Mold. Used for preparing rhododendron beds and as an ingredient in potting soil. 100 lbs. \$4.50, 500 lbs. \$18.50, ton \$50.

Moss, Sheet, Green. LIVE, bag (about 10 lbs.) \$5. DYED GREEN, dry, \$7.50.

Moss, Dry Sphagnum. Large bale \$4.

Peat, Osmundi. For orchids. Bag \$5.

Peat Moss, American. A sedge peat far superior to imported. Ideal for winter mulching of rose-beds, perennials and shrubs. Use liberally when making new lawns. In large cases (150 lbs.) \$4; 5 cases \$18.50; 10 cases \$35.

Peat Moss, Imported. In large bales, approximately 18 bus., \$5; 5 bales \$23.75; 10 bales \$45; cartons (2 bus.) \$1.25.

Sawco soil. Ideal for filling window-boxes, flower pots, greenhouse benches and for city gardens. 5 lbs. 30 cts., 25 lbs. \$1, 100 lbs. \$3, 500 lbs. \$10, ton \$25. In bulk, three tons (minimum quantity), \$14.50 per ton; 4 to 9 tons, \$13 per ton; over 10 tons, \$11.75 per ton.

FLORIDA HUMUS

Full of life-giving organic matter and absolutely free from weed seeds. Builds up sandy soils, prevents packing of heavy soil. Packed in boxed bales. 100 lbs. \$3, 200-lb. bale \$5, 1000 lbs. \$25, ton \$45.

THE ROOT-FORMING CHEMICALS

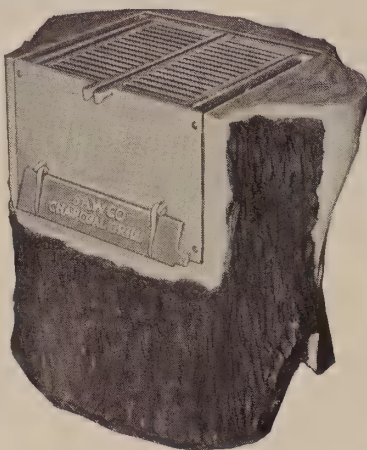
Hormodin "A." A root-forming chemical that stimulates rapid root-growth on cuttings, either hard wood or soft wood. Each package contains complete directions, and a treatment chart. 5-cc. pkg. (sufficient for 150 to 600 cuttings) 50 cts., 15-cc. pkg. (sufficient for 450 to 1800 cuttings) \$1, 60-cc. pkg. (sufficient for 1800 to 7200 cuttings) \$2.50, 120-cc. pkg. (sufficient for 3600 to 14,000 cuttings) \$4.50.

ROOTONE. A hormone powder. For rooting cuttings and dusting seeds. Place cuttings and seeds in powder and plant them. Speeds rooting, produces healthy plants, checks damping-off. Helps organic matter to increase hormones. ¼-oz. pkt. (for treating small lots of seeds and cuttings) 25 cts., 2-oz. jar (sufficient to treat up to 3000 cuttings) \$1, lb. jar (sufficient to treat up to 25,000 cuttings) \$5.

For Lovers of the Outdoors

Sawco Charcoal Grill

For parks, home-gardens, camps, clubs, and public picnic grounds. Ideal for perfect broiling of fish, steaks, chops, game, and fowl on the conveniently spaced bars of the grill. Will serve up to twenty people very quickly. Made entirely of fine gray stove cast-iron. Finished in aluminum enamel. Completely built into reinforced concrete natural-effect stump. Cooking surface 15 x 15 inches. Both grates swing open for easy feeding of extra charcoal or cleaning out. Overall dimensions of grill without stump, 18 inches wide, 17 inches deep, 11 inches high. Net weight, grill and stump, 150 pounds. \$38.50. Grill only, without stump, \$20.



Sawco Long Griddle



Can be used on the Genesee and Master Folding Grill and No. 100 Gridiron. Ideal for pancakes, frying eggs, etc. Made of cast-iron 8 x 19 inches. Weight 15 pounds. \$2.



Master Folding Grill

Completely collapsible. Folds compactly for easy carrying. Side walls protect grill plate. Can be used as grill, also ideal for coffee-pot and frying-pan. Burns charcoal or wood. Size 11 x 22 in. Weight 10 pounds. \$3.50.

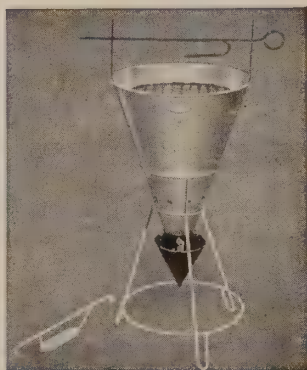
Portable Charcoal Broiler

A convenient unit for the picnic, lawn, or porch for broiling steaks, chops, and roasting chicken. It is one of the best units obtainable. Cone shaped 30 inches high, 16 inches wide, 14 inches diameter cooking surface. Price, \$9.75.



Portable Charcoal Broiler and Oven

A complete cooking unit always ready for use. Just add charcoal and light the conveniently attached wick for starting the fire. Ideal for lawn parties, picnics, or even for porch use. 30 inches high, 16 inches wide, 34 inches long, 14 inches diameter cooking surface. Has ample oven space for rolls, dishes, etc. Weight: 43 lbs., stainless steel top. Price \$19.50.



No. 100 De Luxe Gridiron

It is 10 inches high overall. Legs fold flat. The grill plate is 8 x 18½ inches, large enough to

hold two frying-pans or two kettles. Comes with steel case with measurements overall of 21 x 9 x 4 inches. A compact, heavy-duty grill. Will last a lifetime. Weight 30 pounds. \$5.

The Charcoal Pail

Ideal for roasting and barbecuing. Grid for broiling, frying, or kettles. Completely constructed of cast-iron. Measures 11 inches across the top. Weight 20 pounds. \$4.50.



Auto Lunch Tray



Eat and drink comfortably in your own car. Fits all makes. Rubber tips protect finish. No screws or bolts necessary. Folds flat. A boon to elderly folks and especially young mothers with babies. Sanitary enamel finish. Tray measures 9¼ x 12¼ inches. \$1.



Shelton Picnic Hamper

No. 9876. An ample Picnic Hamper with the old-fashioned woven double cover. Finished in walnut, with brass trimmings—the aristocrat of old-fashioned picnic baskets. Size, 19 x 10½ x 9½ in. \$4.

Ford Briquettes

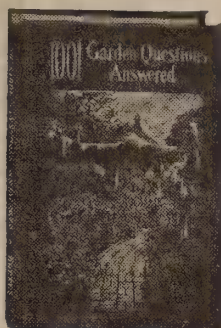
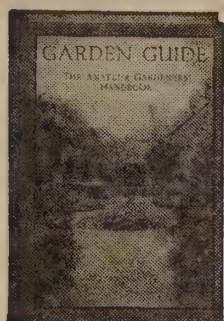
Charcoal in its purest form. Compact, pillow-shaped bricks manufactured under tremendous pressure. Even lighting; hottest burning. No sparks or flames. Leaves no ash. Can be used with any of the grills listed. 20-lb. bag 85 cts., 5 bags or more, 75 cts. per bag.

Pronto Fire Kindlers

Place one or two in bottom of fireplaces, campfires, stoves and grills and light with match. Not subject to moisture—burn even when wet. Each Kindler lasts 15 minutes. Also ideal for emergency lights and flares. Box of 12, 35 cts.; 5 boxes or more, 25 cts. per box.

Sta-Way. Repels mosquitoes, flies, and gnats that fly by day or night. Ideal for use in gardens, on the beach, or in the country. A liquid; simply shake bottle on hand and cover exposed parts. Harmless; very pleasant odor. 35 cts. per bottle, \$3.50 per doz.

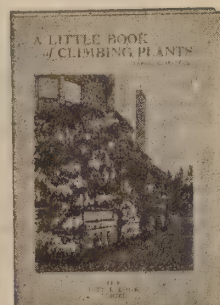
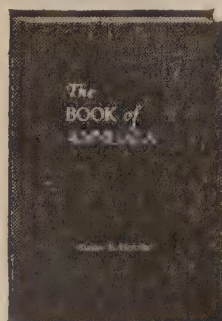
Tanglefoot Mosquito Repellent. This is a greaseless, fragrant, and non-irritating vanishing cream. Unexcelled as a repellent, remaining effective for several hours. Ideal for golfers, picnickers and fishermen. 35 cts. per tube, \$3.50 per doz.



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and
Fragrant



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*We offer these Roses
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